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PARTITION FUNCTIONS AND

EQUATIONS OF STATE

IN PLASMAS

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

PARTITION FUNCTIONS AND

EQUATIONS OF STATE

IN PLASMAS

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Prepared at Goddard Space Flight Center



FOREWORD

The determination of opacities and equations of state for astrophysical and laboratory plasmas depends upon accurate partition functions. Theoretical gas characteristics of plasmas of seven different chemical compositions have been calculated and are presented in tabular form. The seven cases are six pure gases (H, He, N, O, Ne, and Ar) and the solar chemical composition. All data are tabulated for 10 electron pressures from 10^{-2} dyne/cm² to 10^{7} dyne/cm² and for 50 temperatures from 3000 K to 150000 K. The tables include electron density, particle density, the number of free electrons per atom, the number of negative hydrogen ions per hydrogen atom, mass density, gas pressure, the equation of state parameter (P_g/pT), the degeneracy parameter, the ionization energy per gram, the ionization plus excitation energy per gram, the total energy per gram, the partition functions, the ionization fractions, and the depression of the ionization potentials.

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ANALYSIS

The partition function is given by

$$B_{ij}(T, P_e) = \sum_{k=1}^{m} W_{ijk}(T, P_e) g_{ijk} e^{-x_{ijk}/kT}$$
 (1)

where the subscript **i** refers to the chemical element, the subscript **j** refers to the **j**th ionization state **of** element **i**, and g_{ijk} is the statistical weight of the kth energy level, whose excitation potential is χ_{ijk} . The quantity $W_{ijk}(T, P_e)$ is the probability that the kth energy state of the ion exists (Refs. 1, 2) and is given by

$$\log W_{ijk}(T, P_e) = 14.69 - \frac{2}{3} \log N_c(T, P_e) + 4 \log Z_{ijk}^* - 4 \log n_k \le 0$$
 (2)

where $N_c(T, P_e)$ is the number of quasi-static Stark perturbers per cm³, Z_{ijk}^* is the effective nuclear charge seen by the valence electron, and n_k is the principle quantum number of the kth energy state. The sum in Eq. (1) is terminated at k = m, where m is the first value of n_k such that $W_{ijk} < 10^{-3}$ and B_{ij} is accurate to better than 1%. In general, where $W_{ijk} < 1.0$, $n_k = k$

The depression of the ionization potential is given by

$$\Delta E_{ij} = \frac{1}{2} \sum_{k=p}^{k=m} (1 - W_{ijk}) W_{ij(k-1)} \left[(E_{ij} - \chi_{ijk}) + (E_{ij} - \chi_{ij(k-1)}) \right] \left[\sum_{k=p}^{m} (1 - W_{ijk}) W_{ij(k-1)} \right]^{-1}$$
(3)

where E_{ij} is the ionization potential of the ion and p is defined as the first value of n_k such that $W_{ijk} < 1.0$.

The relative number of atoms in successive ionization states is given by the Saha equation

$$X_{ij} = \frac{N_{ij}}{N_{i(j-1)}} = \frac{B_{ij}}{B_{i(j-1)}} \exp\left\{\frac{(-E_{ij} - \Delta E_{ij})}{kT} - \eta + \frac{E_0}{kT}\right\}$$
(4)

where η is the degeneracy parameter and E, is a zero point energy shift. The ionization fraction, n_{ij} , is then given by $N_{ii}/\Sigma N_{ii}$. At a given temperature and electron pressure, η is given by

$$P_e = \frac{8\pi}{3} \frac{(2m_e)^{3/2}}{h^3} (kT)^{5/2} F_{3/2}(\eta)$$
 (5)

where $F_{3/2}(\eta)$ is the Fermi-Dirac integral of order 3/2. Then the electron density is given by

$$N_e = 4\pi \frac{(2m_e kT)^{3/2}}{h^3} F_{1/2}(\eta)$$
 (6)

where $F_{1/2}(\eta)$ is the Fermi-Dirac integral of order 1/2. The zero point energy shift, E_{γ} , is defined such that an electron with zero kinetic energy has zero total energy and is given by (Ref. 3)

$$E_{,} = \frac{\frac{4\pi}{3} N_{ij}^{u} A_{ij}^{3} \lambda_{ij}^{u} kT \left(\frac{3}{3} - 0.7314\lambda_{ij}\right)}{\sum_{ij} \frac{4\pi}{3} N_{ij} A_{ij}^{3}}$$
(7)

where $\lambda_{ij} = Ze^2/2A_{ij}kT$ and A_{ij} is the Stewart-Pyatt ion radius (Ref. 4). The Stewart-Pyatt ion radius is essentially an interpolating radius between the ion-sphere and Debye-Hückel approximations.

The quantities g_{ijk} , χ_{ijk} , E_{ij} , and Z_{ijk}^* are based upon atomic data from Ref. 5 and Mayer's opacity work (Ref. 3). For energy levels outside the available atomic data tables, the hydrogenic approximation is used. The excitation energy is given by

$$\chi_{ijk} = E_{ij} - \frac{Rhc(Z_{ijk}^*)^2}{n^2}$$
 (8)

where Rhc = 13.5977 eV = 1 Ry and Z_{ijk}^* is evaluated with the use of screening constants from the Mayer tables (Ref. 3). For large n's Mayer's tables are exceeded, but in this case $Z_{ijk}^* = j + 1$, i.e., the charge associated with the next higher ion.

The number of quasi-static Stark perturbers, $N_c(T, P_e)$, is given by the sum of the number of ions plus the number of electrons

$$N_c(T, P_e) = \sum_{ij} N_{ij}(T, P_e) j^{3/2} + N_e(T, P_e)$$
(9)

where $N_{ij}(T, P_e)$ is evaluated by direct summation over the ionization fractions.

In order to enhance convergence, when the quantity $n_{ii} < 10^{-10}$, we approximate

$$\Delta E_{ij} = Rhc \frac{j^2}{S^2} \tag{10}$$

where $S = 5.594 \times 10^3 j^{3/4}/(N_I + N_z)^{1/6}$, i.e., the value of n_k such that $W_{ijk}(T, P_z) = 1/2$

The general references for this material are Ref. 6 and a forthcoming article by Fischel and Sparks."

RESULTS

Since η is uniquely determined by the independent variables [Eq. (5)] and the electron density is uniquely determined by η and T [Eq. (6)], there is only one table of these functions which applies to all seven cases. The table of the number of negative hydrogen ions per hydrogen atom is the same for the pure hydrogen case and the stellar atmosphere case; therefore only one such table is provided. In order to make all the tables as legible as possible, most of the tables have been truncated and printed in logarithmic form. The partition functions are printed for those temperatures for which the partition function at some electron pressure exceeds the low temperature value, which may differ from the ground state statistical weight due to low-lying energy levels. A table of ground state statistical weights used in these calculations (Table 1) is provided. The calculations were carried out on an IBM 360 whose floating point arithmetic is restricted to the number range 10^{-78} to 10^{75} . Values of $n_{ij} < 10^{-78}$ are automatically set to zero and the decadic logarithm of such cases is arbitrarily set to -80. Only the temperature cases at which $\log_{10} n_{i(j+1)} > -80$ are printed. All ionization states have been calculated. However, due to the above printing conventions, not all cases have been printed. Some ions have no tables printed, even when higher ions have tables, because of closed or near closed electron shells. An entry of asterisks in any table indicates that the case could not be computed.

^{*}Fischel, D., and Sparks, W. M.: Partition Functions in Ionizing Plasmas. To be published in Astrophys. J.

Table 1-Ground state statistical weights.

Lon									Atom	1						
Ion	Н	Не	С	N	0	F	Ne	Na	Mg	Al	Si	Ar	K	Ca	Fe	Cu
1 2 3	2	1 2	9 6 1	4 9 6	9 4 9	6 9 4	1 6 9	2 1 6	1 2 1	6 1 2	9 6 1	1 6 9	2 1 6	1 2 1	25 30 25	' 2 ' 1 10
4 5 6			2 1 2	1 2 1	6 1 2	9 6 1	4 9 6	9 4 9	6 9 4	.1 6 9	1 6	4. 9 6	9 4 9	6 9 5	6 25 28	'45 120 21 0
7 8 9				2 .	1 2	2 1 2	1 2 1	6 1 2	9 6 1	4 9 6	9 4 9	1 2 1	. 6 I 2	9 6 1	21 10 1	252 210 120
10 11 12							2	1 2	2 1 2	I 2 1	6 1 : . 2	6 15 20	, 1 6 15	2 1 6	6 9 20	45 10 1
13 14 15										2	1.2	15 6 1	20 15 6	15 20 15	9 6 1	6 15 20
16 17 18 19												2 1 2	1 2 1 2	6 1 2 1	2 1 6 15	15 6 1 2
20 21 22														2	20 15 6	1 6 15
23 24 25												a ja Liik			1 2 1	20 15 6
26 27 28 29															2	1 2 1 2

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Appendix I

LIST OF SYMBOLS

<i>b</i> '	gas parameter with degeneracy, $P_g/\rho T$
B_{ij}	partition function of element i and ion j
E_{I}	average ionization energy (erg/g)
E_{I+EX}	average ionization plus excitation energy (erg/g)
E_{0}	zero point energy shift for free electrons (eV)
E_{T}	average total energy (thermal plus ionization plus excitation)(erg/g)
E_{ij}	ionization potential of ion j to ion $j + 1$ for element i
ΔE_{ii}	depression of ionization potential E_{ij} due to the ion-ion and ion-electron interactions
$F_{1/2}(\eta), F_{3/2}(\eta)$	Fermi-Dirac integrals of order 1/2 and 3/2 respectively
g_{ijk}	statistical weight of the k th energy level of the ion i , j
h	Planck's constant, 6.252 X 10 ⁻²⁷ erg-sec
i	subscript referring to the ith element
j	subscript referring to the jth ion
\boldsymbol{k}	subscript referring to the kth energy level
k	Boltzman's constant, 1.38046 X 10⁻¹⁶ erg/K
m	value of n_k such that $W_{ijk} < 10^{-3}$
m_e	mass of the electron, 9.1084 X 10^{-28} g
n_{ij}	number fraction of element i in ion state j
$n_{\underline{k}}$	principal quantum number of the kth energy level
N_a	number density of atomic nuclei (cm ⁻³)
N_e	number density of electrons (cm ⁻³)
N_{ij}	number density of atoms of element i in the jth ionization state (cm ⁻³)

 N_c number density of quasi-static Stark perturbers (cm⁻³)

 N_I number density of ions (cm⁻³)

 N_{H^-}/N_H number of negative hydrogen ions per hydrogen atom

 P_e electron pressure (dyne/cm²)

 P_g gas pressure (dyne/cm²)

Rhc the Rydberg unit, 13.5977 eV

T temperature (K)

 W_{iik} probability that the kth energy state of the ion exists

 X_{ij} relative number **of** atoms of element *i* in ionization state *j*

y number of free electrons per atom N_e/N_a

 Z_{ijk}^* effective nuclear charge seen by the valence electron when it is in energy state k of

the ion i,j.

η degeneracy parameter

 π the number, 3.14159. . . |

p mass density (g/cm³)

 χ_{ijk} the excitation energy of the kth energy state of the ion $i_i j$

TABLES OF Me AND 1 FOR ALL CASES

LOG OF THE NUMBER OF FREE ELECTRONS

T DEG K/LDG DE

DEG K/LDG DE	-2.000	-1.000	000 • 0 -	1.000	2.000	3.000	4.000	5.330	000.09	7.000
4000	10.258	11,258	***	***	***	***	***	****	****	***
2000	10.161	•	12.161	3.16	*	**	***	***	***	***
6000	10.082	80.4	v	8 -	14.082	9 -	****	***	***	*****
8000	9.957	10,957	11.957		9 0	, 4	, 41			****
0006	906.6	06.	0	ď	06.	66.	47	66.	***	***
0000	9.860	သွ	11.860	•	86	4	15.860		.86	**
11000	9.819	30	•	•	3.81	.81	4,	16.819	٠	***
2000	9.781	7	1.78	ď	3.78	4.7	47	78	.78	78
1300°	9.746	10.746		•	3.74	4.74	4.0	74	4	4
14000	9.714	10.714		12.714	m.	4 • 7	uı	~ ·	17.714	18.714
.5000	•	9	9	• 68	3.68	4.53	u,	16.534	မွ	18.684
1600 ₀	9.656	10.656	•	12.656	m I	4 • 55	0 . 0 .	16,556	S i	18.656
17000	9.630	9	, in	• 63	, m	Ω. .÷	តំ រ	16.530	17.530	18.030
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0007	0.00 0.00 0.00 0.00	10.518	11.518	12,518	13.518	4	າທ	16,518	17.518	18,518
2300	804.0	10.498	-	N.	3.49	64.4	5.49	16.498	64.	18,498
2400	9.480			12.480	m	4.43	5.48	16.430	17.480	18.480
2500	9,462	•			13,462	•46	46	16.462	.46	1.8.462
26000	9.445	•	11 • 445	12.445	13.445	4.4	S	16.445	4	18.445
2700	9.429	10.429		å	M)	4.42	5.42	16.429	17.429	18.429
2800	9.413	10.413	-	ů.	m I	4.4	5.4	16.413	17.413	18.413
2900	9.398	10.398	1.39	12.398	W i	4.39	5.43 9.19	16,398	17.398	10.398
3000	0.0 0.0 0.0 0.0 0.0 0.0	10.383	11,383	12.383	13,383	14.333	15.355	16,355	17,355	18,355
3400 ⁰) M	10,328		2,32	13,328	4.32	5,32	16.328	17.328	18, 328.
36000	9.304	10.304	₽,	N	3.30	.30	•30	16.304	17.304	18,304
38000 ■	9.280	10.280	ď	12.280	3.28	4.23	5.2	16.280	17.280	18.280
40000	9.258	10.258	Ŋ	•	n	4	5.25	15.238	17.258	18.258
4200 ₀	9.237	10.237	-	12.237	L) I	4 .	5,23	16.237	17.237	18.237
44000	9.217	10.217	₹.	12.217	•	14.21/	10.44	16.107	17.107	18,107
00000	94197	10.170	11.179	12.179	13.179	• 4	71.	16.179	17.179	18,179
0000	0.161	10.161	11-161	12.161	1.6	14.161	5.16	16,161	17,161	18, 161
55004	9.120	10.120	11.120	12,125	13.120	14.120	N	16,120	17.120	18.120
9000d	9.082	10.082	•	12.082	•	14.032	.08	16.082		18,082
65000	9.047	10.047		12.047	13.047	14.347	S	16.047	ř	18.047
70000	9.015	10.015	11:015	12.015		14.015	.01	16.015	17.015	18,015
75000	8.985	586.5	3	٠	•	13,985	96	15.985	•	17,985
80000€	8.957	2.957	10.957	11.957	12.957	G:	95	15.957	95	17,957
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-25.937 -23
401 -26.098 -23
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.695 -26.392 -24
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-26.894 -24
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-27,312 -25
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5 -27.982 -2
3 -28.125 -25
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3 -28.511 -26
-28.627 -26.
-28.738 -25.
-28,845 -26,
-28.947 -26.
7 -25.185 -2
05 -29.402 -2
05 -29,603 -2
90 -25.788 -27.4
.263 -29.960 -27.
.424 -30.122 -27.
76 -30.273 -27.
19 -30.416 -28.
2.854 -30.551 -
-30.679 -28.
3.540 -31.237 -28.
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0000	0000		11.910	12.850	13,943	15.345		19.118	21.152	**
11000	0.00	2 0	-	12.820	13.836	14,961	0,	18,357	20.298	***
12000	9.781	0		12,731	13.785	14.820	0.9	17,758	9.65	21.607
3000	9.746	10.7	1 0 7	12.746	13.747	14.758	S	17_298	19,113	•
14000	9.714	0		12.714	13,714	14.718	75	16.990	18,666	0.55
5000	9.684	. .	•	. 4	13,684	14.636	20	618 91	18.310	ô
6000	9.656	10.0	11.6556	12,656	13.656	14,557	99	10 - ZZ	18,046	9.78
7000	9.630	10.6	-	12.630	13.630	14.630	S	16 60 E	17.864	ő
18000.	9.605	10.	11 • 605	12.605	13.605	14,605	9	16. PZ4	17,745	ŝ
19000	9.581	10.5	11,581	12.581	13.581	14.581	58	16 pH3	17.666	6
20000	9.559	10.	-4	12,559	13,559	14,559	56	99a 91	17.612	ğ
21000.	9.538	7	11.538	12,538	13.538	14.538	5	16 503	17,575	18,767
22000.	9.518	10.	-4	12,518	13,518	14.518	10	16 521	17.543	ထိ
23000.	9.498	0.1	11,498	12.498	13,498	14.498	9	16 501	17.516	61
24000.	9.480	-	1.4	12.480	13.480	14.480	3	16 482	17,493	18,565
25000.	9.462	7	-4	12.462	13,462	14.452	40	16.464	17.472	18,526
26000.	9.445	-	~	12.445	13.445	14.445	4	16.446	17.453	18,493
27000.	9.429	7	11.429	12,429	13.429	14.429	Š.	16.450	17,435	18.466
28000.	9,413	~	974	W	13.413	14.413	4	16 414	17.418	18,442
29000.	962.6	7	11,398	12,398	13,398	14.398	39	16 398	17.402	18.421
30000	9.383	10.383	11,383	r Q	13,383	14,383	15,383	10.384	17.386	18.402
32000.	9.355	~	11,355	12,355	13,355	14,355	35	aee 91	17,358	18,369
34000	9.328	-	~	12,328	13,328	14,329	32	16 329	17.331	18,339
36000.	9.304	=	11.304	12,304	13.304	14.304	• 30	16 304	17,305	3
38000	9.280	,a	1 .2	12.280	13.280	14.233	15,280	16 Z81	17,282	26
40000	9.258	_	11,258	12,258	13.258	14,258	15.258	8a2.9	17,259	18,263
42000.	9.237		11,237	12,237	13.237	14.237	15.237	16.237	17,238	18,241
44000.	9.217		11,217	12.217	13.217	14.217	15.217	16,217	17.217	18,220
46000.	9.197		-	12,197	13.197	14.197	15.197	16,197	17.198	18.200
800	9.179	_	11.179	12,179	13.179	14,179	15.179	16.179	17.180	18.182
000	9.161	-	11.161	-4	13,161	14.161	15.161	101.01	17.102	18.104
55000.	9.120	_	11.120	12.120	13.120	14.120	15.120	16.120	17.120	18.122
• 00009	9.082	10.082	***	12.082	13.082	14.382	15.082	16.082	17.082	18.084
65000.	2006		~	12.047	13.047	14.047	15.047	16.047	17.048	18,049
70000	9,015		11.015	12.015	13.015	14.015	15.015	16.015	17.015	0
75000.	8.985	80.00	10.985	11.985	12,985	13,985	14.985	15,985	15.985	7.98
80000	8.957	96.9	10.957	11.957	12.957	13,957	14.957	15,957	16.957	7.95
85000.	8,931	(T)	OA.	۰	12:931	13,931	14.931	15,931	16.931	93
• 00006	8.906	0.0	3	90	12.906	13,906	14.906	15,906	16,906	17,906
95000.	8.882	98.6	æ	φ	12.882	13,882	14.882	15.882	15.882	17.883
1000001	8.860	38.5	20	86	12.860	13,860	14.860	15.850	10.800	98
125000.	•	9.763		!	12.763	~	N 1	15,763	,	
150000.	8.684	. 68	10.684	11.684	80	. 58	• 68	15.034	0.0	17.084

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0004	-10.179	-9.179	***	***	**	***	**	***	***	***
0000	-10.612	.1	-8.612	-7.612	***	***	***	**		* * * * * * *
0009	-11:067	96.5=	-8.938	-7.937	93	• 94	*	¥	*	*
7000	-12.559	-	-9.282	20	7 . 19	-6.197	ហ	米国外	*	***
8000€	-14.122	-12.13	0	59	• 43	-6.411	-5.413	64≡ 4		* * * * * *
0006	-15,382	-13,38	-11,390	-9.450	7.80	9.61		4=63	* * *	***
10000	-16.414	7	-12.417	ğ	-8.505	-6.918	-5.770	4	3.77	**
11000	-17.279	ï	-13,280	-11.284	-9.303	-7.438	-5.989	-4ª HO 4	91	*
12000	-18.016	1	-14.017	-12.019	-10.026	8.06	-6.330	ŝ	-4.034	-3.072
13000	-18.653	-16	-14.654	-12.656	9	.67	-6.788	ŝ	-4.156	-3.172
14000	-19.212	-17	-15,213	-13.214	-11.217	-9.228	-7.278	ŝ	4.28	'n
15000	-19,706	ī	-15.707	-13.708	-11.7111	-9.718	-7.745	ທົ	-4.447	-3,368
16000	-20.147	1.8	-16.148	• 1 4	å	0.15	-8.177	0	4.	
17000	-20.545	-18.545	-16.546	-14.547	-12.549	-10.554	-8.569	-6.518	-4.878	-3.580
18000	-20.906	7	-16.906	•	6	91	-8.925		-5.138	-3.705
19000	-21.234	1	-17,235	-15.236	-13,238	-11.242	-9.253	-7.279	-5.406	-3,848
20000	-21.536	ī	-17.537	-15,538	.53	-11.543	-9.553	-7 p74	-5.671	8
21000	-21.814	ł	-17.815	81	31	82	O.	-7 808	-5.910	-4.184
22000	-22.072		-18.072	-16.073	-14.075	-12.078	-10.085	-8 103	-6.152	-4.367
-00082	-22.311	C)	-18.312	-16.313	-14.314	-12,317	-10.325	-8 340	-6.381	-4.554
000048	-22,535	J	-18.535	. 53	4	O	-10.547	-8 p62	-6.597	-4.739
25000	-22.744	1	-18.744	-16.745	-14.746	-12.749	-10.755	-8,769	-6.801	-4.921
26000	-22.941	1	-18.941	-16.941	-14.943	-12.945	-10.952	-8,964	-6.993	-5.097
27000	-23.126	1	-19,126	-17.126	-15.128	-13.130	-11.136	-9-108	-7.175	-5.266
28000	-23,300	ī	-19,301	-17,301	-15,302	-13,335	-11,310	-9=325	-7.346	-5.428
29000	-23.465	4	-19.466	-17.456	-15.467	-13.470	-11.475	9E0=6-	-7.509	-5.584
30000	-23.622	,	-19.623	-17.623	-15.624	-13,626	-11.631	-9=545	-7.664	-5.732
32000	-23,913	1	-19.913	-17.914	-15,915	-13.917	-11,921	-9=932	-7.951	-6.011
34000	-24.178	•	-20.178	-18.178	-16.179	-14.181	-12,185	-10#195	-8.212	-6.266
36000	-24.420	1	-20.420	-18.421	-16,421	-14.423	-12.427	-104433	-8.452	-6.501
38000	-24.643	,	-20.643	-18.644	-16.644	-14.646	-12.650	-10 556	-8.673	-6.718
40000	-24.850	-1	-20.850	-18.850	-16.851	-14.352	-12,856	-10,861	-8.878	-6.919
42000	-25.042	-23.042	-21:042	-19.042	-17.043	-15.044	m		-9.068	-7.107
44000	-25.221	,	-21,221	-19.222	-17.222	IU.	-13.226		-9.246	-7.282
46000	-25.389	,	-21.389	-19,390	-17.390	'n.	-13,394		-9.413	-7.447
48000	-25.547	į		-19.547	-17.548	-15,549	-13,552	-11.557	-9.570	•
50000	-25.696	-23.696	-21.696	-19.696	-17.697	•	-13.700	~	211.6-	-7.748
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65000	-26.600	-24 600	-22.600	ċ	-18.600	-16 601	4	.60	-10.612	-8,626
70000	-26.840	-24 840	-22.840	-20.840	-18.841	-16,341	-14.843	-12.846	-10.851	-8.864
75000	-27.059	-25 359	3.0	0	-19.059	Š	S	13.06	-11.069	-9.081
80000	-27.259	-25 259	-23.259	-21,259	-19.260	-17, 250	5.26	3.26	50	-9.280
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95000	-27.775	-25 775	C)	-21,775	9.77	77	5.77	3.77	-	62
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000	* 19	-7.248	-10,356	-10.806	-10.907	-10.956	-10.995	-11.030	-11.053	-11.093	-11-121	-11.172	-11.195	-11.218	-11.239	-11.259	-11.278	-11.297	-11.314	110.35	11.348	-11.304	405911-	-11.422	-11.448	-11:473	-11.496	-11,519	-11.540	-11.560	11.5598	-11.615	-11.657	-11.695	-11.729	-11.762	-11.792	-11,820	-11,846	87		1,91	OF (25000
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5000	7	81.	8.1	7.18	***	***	***	****	***	****
0009	N	40	10.662	•	19	7.694	****	***	***	****
7000	60			4	4	. 48	•	*	***	***
8000■	13,114	13.106	9		-	8	.87	46.	***	***
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10000	-	13.115	13.114	• 10	0	•	.79	. 83	603	* * * * *
11000	-	13.115	11.	. 11	•00	.97	• 43	• 56	.65	*
12000	.11	13,115	13,115	13.114	13.110	• 07	8	***	• 24	4
13000	. 11	13,115		13,114	. 1 1	• 10	00	• 56		10,850
14000	111	13,115	13.115	13-115	13,114	• 1 1	0	.83	• 16	N
15000	11.	13.115	13.115	13,115	13.114	13.113	60	12.979	4	9
16000	7	13,115	17.	13,115	13,114			4	• 72	
1 7000	• 11	13-115	1	7		13.114	~	. C •	88	٠
18000	1.	13,115	~	~	13,115	13.114	13.112	6	76.	4
19000	-	~	7	1		13.114		07	0 4	12.660
20000	3.11	~ [-	13.115	7	13,115	13.114	-	13.107	•	12. 791
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26000	. 11	• 1 3	7		-			7	01.	3 1
27000		7	7	13.115					0.	13.07
28000	13.115	. 1.1	13,115	13,115	=			-	7	13.090
29000	3.11	13.115	 	13,115	13,115		13,114	13.114	13,112	13.095
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38000	7	. 1.	•11	13,115			٠	·	-	13, 111
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42000	13,115	13.115	년 년 •	13.115	13.115	13.115	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ξ:	- ·	13,112
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DAG K/LOM DAG	12.000	1000	000	000	2.000	3.000	00?	9.000	000	7 000
4000*	11.695	C)	****	***	****	***	****		****	*
5000	11.802	OV.	11.792	11.791	***	***	***	*****	**	* * * * * *
•0009	12.636	ry.	æ	8		11.871	***	***	*	* * * * * *
.0007	13.151	13.019	2.53	12.068	11.953	11,939	11.938	***	* * * * * * * * * * * * * * * * * * * *	***
	13,175	ان ا	13.105	•76	•	12,028	11.999	0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *
0006	13,183	13,183	13.177	Ņ.	•	12.290	12.092	10.110	++++++	* * * *
10000	13.190	10.140	13.169	1001-01	13.14	14.060	12.543	12.247	041-01	****
	13.204	12.004	13.204		• "	13.158	12,955	12.478	12,225	12.180
12000	13.504	14.004	4 0	,	i d	13.140	13-116	12.756	12,348	IQ
13000	17967	717071	9 6	1 0	10	13.213	13.181	12.975	12,526	28
15000	13.004	400.51	1 (13.222	13.208	13.104	12.727	37
16000	13.230	13,230	N	13,230	13,230	13,229	13.223	13.171	12.905	12.486
17000	13.236	13.236	13,236		13.236	13.236	13.232	13.204	13.035	12.619
18000.	13.242	13.242		13.242	• 24	13.242	13.240	13.224	13,120	12,756
19000.	13.249	13.249			2.4	"	13.247	13.238	13.173	12,881
20000	13.255	13.255	13.255	•	.25	13,254	13,253	13.247	13,206	12,984
21000.	13,260	13.260	•	•	13.260	13.260	13.260	13,255	13.226	13,065
22000.	13,266	13.266	• 26	•	13.266	13.266	13.266	13.263	13.242	'n,
23000.	13.272	13.272	13.272	٠	13.272	13.272	13.272	13.269	13.255	m.
24000.	13.278	13.278			13.278	13.278	13.277	13.275	13.265	ń.
25000.	13.283	13.283	•	•	13,283	13,233	13,283	13.281	13.273	13,224
26000.	13.289	13.289	13,289	•	13,289	13.289	13,289	13.287	13,281	13,243
27000.	13.295	13.295	13,295		13,294	13.294	13.294	13.293	13.287	m I
28000.	13,300	13.300	13.300	•	13,300	13,300	13,300	13,299	13.295	ri i
29000	13,305	13,305	13,305	13,305	13,305	13,305	13,305	13.304	13,301	ทำ
30000	13,311	13,311	13,311		13.311	13,310	13,310	13,310	13,307	'n,
32000.	13,321	13.321	13,321	٠	13,321	13,321	13,321	13,320	13.318	13.307
34000.	13,331	13,331	13.331	13,331	13,331	13,331	13,331	13.330	13.328	13.320
36000.	13,341	13,341	13,341	13.341	13.341	13.341	13.341	13.340	13.339	13.532
38000	13,351	13,351		13,351	13,351	13,351	13,351	13.350	10.040	13.040
40000	13,360	13,360		13.360	13.360	13,350	13.360	13,360	13,358	13.354
42000.	13,369	13,369	13,369	13.369	13,369	13,369	13,369	13,369	13.368	13.304
44000	13,379	13.379	٠	13.379	Ŋ I	13,379	13.378	13.378	13.37	13.574
46000•	13.387	13,387	13,387	13,387	י יי	13,336	13.307	13,306	13.305	13,392
		5 K	•	000		14.600	13.405	14.400	13,40	13.401
55000	13.400	1000	13.425	13.425	4	13.425	13.425	13.425	13.424	13.422
00009	13.445	13.445	•	13.445	44	13.445	13.445	13.445	13.444	13.442
	13.464	13.464	•	13.464	40	13.454	13.464	13.464	13.463	13,461
	13.482	13.482	•	13,482	4.8	13.432	13.482	13.482	13.481	13.480
	13.499	13.499	13.499	13.499	•49	13.499	13.499	13.499	13.499	13.497
80000	13,516	13,516	ស		.51	13,516	13.516	13.516	13.516	13,514
85000.	13.532	13.532	13.532	53	53	13,532	13.532	13.532	13,532	ທ
•00006	13.548	13.548	• 54	• 54	.54	13.548	13.548	13.548	5.0	10
95000	13,563	13.563	56	S	S.	13.553	13.563	13.563	13.562	13,561
0000	13.577	S	ŝ	.57	200	13.577	13.57	13.377	٠	١٠
2500	0		13.643	13.643	13.643	13.643	13.043	13.043	0 1	13.042
150000	13.700	~	~	2	20	13.700	13.700	10.100	2	•

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DSG KYLOG DS	-2.000	-1.000	000.0-	1.000	2.000	3.000	4.000	5.000	000.9	7.000
0004	-4-725	-4.220	***	***	***	***	***	***	***	* * * * * *
Ö	-4.822	-4.322	-3.823	-3.320	***	***	***	***	***	* * * * * *
0009	-4.901	-4.401	-3.902	-3.403	-2.905	-2.340	***	****	***	* * * * * *
7000	-4.968	-4.468	-3.969	-3.469	-2.971	-2.477	-1.939	***	**	***
8000	-5.026	-4.526	-4.027	-3.527	-3.029	-2.534	-2.047	-1.444	* * * * * * * * * * * * * * * * * * * *	* * * * * *
0006	-5.077	-4.577	-4.078	ń	-3.079	-2.583	-2.095	-1.620	***	* * * * * * * * * * * * * * * * * * * *
	-5.123	-4.623	-4.123	-3.624	-3.125	12.628	-2.137	-1.664	-1.177	* * * * * * * * * * * * * * * * * * * *
11000	-5.165	-4.065	-4.165	-3.665	-3.166	-2.668	-2.177	669.1-	-1.248	***
12000	-5.202	-4.702	-4.202	-3.703	-3.203	-2.706	-2.212	-1.732	-1.280	-0.812
1 3000	-5.237	-4.737	-4.237	-3.737	13.238	-2.740	0.00 0.00 0.00 0.00	11.703	1.300	10.87
14000	15.209	14.709	4.209	13.700	1 3 - 17 0	-2.676	12.21	11.810	11.354	000 00 H
00001	V 0 4 1 1	10001	705-4-	13.80B	0000	0000	-2.33	-1.845	-1.376	-0.948
12000	10.00	4.8054	400.41	-3.854	13,354	-2.855	-2,359	-1.869	-1,398	-0.964
18000	-5.378	-4.878	-4.379	-3.879	-3.379	-2.883	-2.383	-1.892	-1.419	-0.980
8	47	-4.902	-4.402	-3.902	-3.402	-2.903	-2.406	-1.915	-1.438	-0.996
20000	-5.424	-4.924	-4.424	-3.924	-3.425	-2.925	-2.428	-1.936	-1.458	-1.011
21000	-5.445	-4.945	-4.445	-3.946	-3.446	-2.946	-2.449	-1.956	-1.476	-1.026
20	-5.466	-4.966	-4.466	-3.966	-3.466	-2.967	-2.469	-1.975	-1.494	-1.041
23000	-5.485	-4.985	-4.485	-3.985	-3.485	-2.986	-2.488	-1.994	-1.511	-1.055
24000	-5.503	-E.003	-4.503	-4.003	-3.504	-3.004	-2.506	-2.011	-1.527	-1.069
20	u,	15.021	-4.521	14.021	120.51	13,022	47.0.7	7.00	240-11	1000
v,	43	850.31	14.538	14.038	13.538	900.00 100.00 100.00	040.5	240.0	600.11	060-1-
27000	1.00 50 50 50 50 50 50 50 50 50 50 50 50 5	16.055	14.05 300 300	14.055	13.555	13.005	-2.55(-2.051	11.07.4	101-1-
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30000) (5)	-5.100	-4.600	-4-100	-3.600	-3.101	-2.502	-2.106	-1.616	-1.145
32000	, 4,	-5.128	-4.628	-4.128	-3.628	-3.129	-2.630	-2.133	-1.642	-1.169
34000	-5.655	-5.155	-4.655	-4.155	-3,655	-3.155	-2.655	-2.159	-1.667	-1.191
36000 ₽	-5.679	-5.180	-4680	-4.180	-3.680	-3.180	-2.681	-2.183	-1.691	-1.212
38000	-5.703	-5.203	-4.703	-4.203	-3.703	-3,203	-2.704	-2.206	-1.713	-1.233
40000	-5.725	-5.225	-4.725	-4.225	-3.725	-3.226	-2.726	-2.228	-1.734	
Q	-5.746	-5.246	-4.746	-4.246	-3.747	-3.247	-2.747	-2.249	-1.755	
44000	G7	-5,267	292.4-	-4.267	-3.767	-3,257	-2.767	-2.269	-1.774	
46000	ຫ	982.5	987.4-	14.780	13.180	15. 200	101.5	2000	0 2 0 1	10001
800	- 800 to 00	10.00	4000	4.00	13,800	-3.300	10000	406.00	11.828	11.340
	7700	446	14.854	445.44	458.61	44E-E-	498.6	10.00	1.868	-1-378
00000	1000	10.404	100.4-	40401	1000	13.401	600.61	12.403	-1.905	-1.414
65000	100 H	- 8-436	-4.936	-4.436	-3.936	-3.436	-2.935	-2.437	-1.940	-1.447
2000	840	4668	-4.968	4.468		-3.468	-2.969	-2.469	-1.971	-1.478
500	-5.998	-5.498	-4.998	-4.498	-3.998	m	-2.999	-2.499	-2.001	-1.506
80000	-6.026	-5.526	-5.026	-4.526	-4.026	-3.526	-3.027	-2.527	-2.029	-1.534
ശ	-6.053	-5.553	-5.053	-4,553	-4.053	-3.553	-3.053	10	2.05	-1.559
000	-6.077	-5.577	-5.077	-4.577	-4.077	-3.577	-3.078	2.	-2.079	-1.583
95	101.9-	5.60	5.10	-4.601	4.10	3.60	-3.101	0	2.10	-1.606
0000	-6.1:23	-5.623	-,5.123	-4.623		-3.623	-3,123	Š	2.12	-1.628
2500	-6.220	-5.720	S.	-4.720	-4.220	3.72	. 22	~ 1	O (-1.723
1500001	-6.299	-5.799	-5.299	-4.799	-4.299	-3.799	-3.299	-2.799	-2,300	-1.801

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	1000	000-01	000-0-	0000-0-	***	***	***	***	***	***
	-0.131	0.01		0	0.0	0.0	* * * *	#	***	***
	-1.365	0	0	ံ	0.0		000.0-	**	****	***
	-2.714	1.7		•	0	-0.002	-0.000	00.	****	***
	-3.783	્ય	8	-0.862	2.2	-0.027	-0.003		***	***
	-4.605	-3.649	-2.665	-1.630		ċ	.02	00	00.0	***
	-5.164	•	.36	-2,391	-1.417	-0.553	-0.103		00	***
	-5.472	-4.762	-3.916	. 98	-2.009		-0.320	O	00.0	٠
	-5.633	0	•	.45	Ø.	-	-0.665	•		ċ
	-5.731	-5,183	-4.559	-3.801	-2.926		-1.049	•	0.05	-0.007
	-5.804	ŝ	-4.715	-4.051	-3.253	٠	-1.415		ċ	
	-5.865		-4.819		-3.506	-2,553	-1.742	•	ò	ò
	-5.920		-4.895	-4.327	-3.686	-2,912	-2.027	•		
_	-5.971	-5.468	-4.957		-3.816	-3.107	-2.270		0	ċ
	-6.019	•	-5.011	-4.481	-3.911	-3,258	-2.473	-1.532	ં	ô
	-6.064	S	-5.059	ব	-3.997	-3,374	(V)	-1.780	-0.939	ċ
	-6.106	-5.606	-5.104	-4.590	-4.058	-3.454	-2.776	-	-	•
	-6.147	-5.647	L)	-4.633	-4.109	-3,537	W	ď.	-1.249	-0.505
	-6.186	-5.686	-5.185	-4.672	-4.154	-3.614	N	ď	-1.396	O
	-6.223	-5,723	S.	-4.708	-4.195	-3.566	-3.073	-2.342	-1.528	-0.748
	-6.258	-5.759	ů	-4.752	-4.233	-3,712	-3.138	-2.439	-1.647	-0.865
	-6.292	-5.793	-5.293	-4.785	-4.280	-3.753	-3.194	-2.523	-1.753	-0.977
	-6.325	-5.826	-5,326	-4.817	-4.313	-3.790	-3.243	-2.597	-1.847	-1.082
	-6.357	-5.857		-4.847	-4.345	-3.825	r,	ญ่	-1.932	-1.180
	-6.387	-5.888	RU.	-4.876	-4.375	-3.857	-3,326	-2.721	-2.008	-1.271
	-6.417	-5.917	-5.418	-4.913	-4.403	-3.838 -3	-3,362	-2.775	-2.077	-1. 355
	4	-5.973	Ð	96.	-4.457	-3.944	-3.426	-2.869	-2.196	-1,505
	-6.525	-6.026	-5.527	-5.015	-4.520	-4:015	-3.484	-2.950	-2.296	-1.633
	iO	-6.076	-5.576	-5.071	-4.567	-4.053	-3.535	ď.	-2.382	-1.744
	-6.622	-6.123	-5.623	-5.115	-4.612	-4.108	-3,583	ď	-2.458	-1.841
	-6.666	-6.167	-5.668	-5.157	-4.654	-4.151	-3.653	-3.032	-2.525	-1,925
	~	-6.209	7	-5.205	-4.706	-4.192	-3.695	ņ	-2.587	-2.000
	~	-6.250	-5.751	-5.243	-4.744	-4+230	m)	E)	-2.643	-2.068
	~	-6.288	-5.789	-5.279	-4.781	-4.234	-3.772	'n	-2.695	-2.129
	ന	-6.325	-5.826	-5.322	-4.815	-4.319	-3.808	-3.236	-2.744	-2,185
	m	-6.361	-5.862	-5.356	48.	-4.353	(?)	'n	-2.789	-2.237
	-6.943	16.444	-5.944	-5.441		-4.431	וחו	in n	-2.893	
	\circ	-6.519	-6.020	ó	0	-4.532	7)	, ,	- K • 9 & D	v.
	0	-6.589	•	-5.586	ທຸ	23		7	-2.940	ผู้
	_	-6.653	-6.154	٠	5.14	4.64	4	n i	'n	-2.494
	ΔL	-6.713		-5.710	50	-4.702	-4.202	ń	3.09	Ň.
	AI.	-6.769	•	ທີ	5.26	. 73	-4.255	3.66	3.15	ů.
	m	-6.822	•	-5.820	5.31	83	-4.304	J	S	-2.699
	m	-6.871	-6.372	98.	S	-4.867	-4.351	• 78	28	-2, 758
	-	.91	614.9-	٠	40	-4.911	• 39	ω Φ		તં
		9	4	-5.959	5.4	-4.953	-4.438	66.	-3.390	-2,866
			-6.657		-5.652	-5.150	-4.643	-4.139	•	-3.091
	m	-7.315	-6.815	-6.316	-5.811	-5.299	-4.792	-4.305		-3.271

-0.152 -0.402 -0.402 -0.402 -0.402 -0.402 -0.402 * *** -0.402 -0.402 -0.595 -0.595 -0.595 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.595 -0.595 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.888 -0.595 -0.595 -0.595 -0.595 -0.888 -0.888 -0.888 -0.888 -0.888 -0.888 11111 -1.106 -1.198 -1.198 5.000 400-1--1,198 -1.299 -1.305 -1.310 -1.324 -1.383 -1.389 -1.402 -1.333 -1.355 1.427 000 -1.349 .370 .437 -1:376 -1.415 -1.447 -1.457 đ -1.522 -1.529 -1.538 -1.548 -1.633 -1.633 -1.643 -1.643 -1.556 -1.532 -1.556 -1.722 -1.760 -1.855 000 -1,354 -1.473 -1.503 -1.596 -1.533 -1.616 -1.522 -1.632 -1.435 -1.456 -1.439 -1:639 -1.690 -1.748 -1.815 *** -1.627 -1.657 -1.637 -1.733 -1.710 -1.716 -1.771 -1.790 -1.799 -1.807 -1.822 -1.781 -1.807 -1.822 -1.839 -1.860 -2.015 -2.023 -2.030 -1.899 -1.930 -1.955 -1.971 -1.976 -2.132 -1.871 -1.890 2.093 -1.999 -2.055 -1,915 -1:923 1.943 -1.949 -1.966 -2.008 -2.043 -2.049 -2.069 -2.104 -1.991 -2.082 -2.1.14 2.123 -2.140 -2.037 -2.299 -2.305 -2.310 -2.256 -2.263 -2.270 -2,315 -2.349 -2.415 -2,383 -2.282 -2,238 -2.232 -2.248 -2,333 548 -2,214 -2.224 -2.241 -2.276 -2.294 -2.341 -2,363 -2.370 -2.376 -2.437 -2.465 -2.489 -2.402 -2.447 -2.457 -2.474 -2.481 -2.521 -2.515 -2.527 -2.538 -2,388 -2.469 -2.475 -2.489 12.548 12.557 12.566 12.566 12.582 12.582 12.589 -2.603 -2.609 -2.616 -2.622 -2.627 -2.633 -2.638 -2.666 -2.674 -2.682 -2.690 000 00 -2.648 -2.710 -2.710 -2.716 -2.736 -2.748 -2.760 -2.790 -2.643 -2.437 -2,697 -2.781 -2.807 -2.822 -2.771 -2.686 -2.795 -2.890 -2.967 -2.923 -2.930 -2.999 -3.008 -3.015 -3.037 -2.807 -2.849 -2.943 -2,961 -3.069 -3.148 00 -2.936 -2,955 -2.991 -3.093 -3.114 -2.836 -2.881 -2.899 -2.976 -3.030 -3.043 -3.04g -3.055 -3.1.04 -2.871 -2,971 -2.981 -3.123 -3.132 -3.140 -3.214 7 -3.023 -3.055 -3.082 -3.107 -3.123 -3.140 -3.156 -3.182 -3.194 -3.232 -3.241 -3.248 -3.256 -3.270 -3.282 -3.282 -3.288 -3.299 -3.310 -3.315 13.333 13.341 13.349 13.356 13.376 13.383 13.489 13.402 -3.204 -3.465 -3.427 -2.000 -3.224 -3,324 -3,370 -3.447 -3.457 I Ä ATOMIC SPECIES K/LUG 50000 4 6000 4 8000 5 5000 6 5000 6 5000 7 0000 7 0000 95000 44000 DEG ۲

Helium

	0 0 0 1 1 1	**	***	**	**	*	5.56	4.56	23.888	23.207	22.605	22.068	21.586	21.150	20,755	20,396		19,775	19.510	19.276	19.075	18.906	18.769	18.660	18.575	w	18,387	18,338	18,302	18.272	Ω.	18.220	18.196	18,159	18.139	18.042	7.92	17,823	17.754	17,705	99	63	61	58	56	4	17.384
	0000*9	* * * * * * *	***	* * * * * * * * * * * * * * * * * * * *	#	4.71	3,65	2,75	1.96	21.279	20.672	0.13	Ġ.	ô	œ	18.507	18,219	17,985	17.805	17.675	17.583	-	17.472	17.437	17.410	~	17,336	17,308	17.281	17.254	17.223	17.187	17.140	17.083	17.021	16.887		5	16,719	16.687	16.658	16,631	• 60	16.582	20		16.383
	0 0 0 •	***	***	* * *	4.05	22.786	21.722	20.811	20.022	19,332	18.733	18.196	17,728	17,336	17.029	16.812	16.672	16.584	16.528	16.490	16.462	16.439	16.420	16.402	16.386	16.355	16,327	16.296	15.258	16,205	16.135	• 05	15.987	F	15.892	15,828	15.734	15.747	15,715	00	15.656	•63	15,605	.58	55	15.462	15.383
	4	***	***	**	60.	Q)	~	•84 8	18.052	17.366	16.779	16.303	96.	15,753	15.639	15.576	15.536	15.508	15.485	15.465	15.447	15.430	15.413	15,397	15.382	15.348	15.304	15.237	15.146	15.054	14.986	14.941	14.909	14.884	14.864	14.820	14.781	14.745	14.714	14.684	14.656	14.630	14.605	IO.	5		14,383
AF ATOMS	3.000	**	***	-	20 • 109	18.840	17.771	16.359	ို	15.451	15.010	14.769	14.658	14.602	14.568	14.542	14.520	14.499	14.480	14 • 462	14.445	14.428	14.410	14.391	14.367	14.297	14.189	14.083	14.013	13.971	13.942	13.918	13.898	13.878	13,860	13.819	13.781	13.746	13.714	13.684	13.656	13.630	13.605	ហ	13,559		13,383
THE NUMBER	2 • 000	***	21.552	19.654	18,118	16.848	15.782	14.894	ď	13,857	13.703	13.645	13.610	13.583	13.560	13+538	13,518	13.498	13.479	13.461	13,441		13,385	13,340	13,279	13,145	13,059	13,013	12,983	12,958	12,936	12,916	12.895	12.878	•	12,819	12.781	٠	•	12,684	12,656	12.630	12,605	12,531	ŝ	12.462	12,383
L06 GF 7	1 • 000	***	. 55	•65	16.123	14.856	13,822	13.111	12.803	12.705	12.661	12.631	•	•	12,559	12,538	12,517	12.497	12,475	12.447	12.406	12,343	12.263	12.187	12.130	12.066	12.031	12.004	11,980	-	-	-		11.878	11.360	11.319	11.781			11.684	11.656	11.630	11.605	11.581	.55	Ø	11,383
	0 0 0 1	**	17.561	15,661	14.127	12.892	12.083	11.800	11.724	11.686	11.656	11.630	11.605		.	÷	11.514	11.485	11,438	11.361	11.257	11.189	11.140	11.109	11.087	-	-	.	10.979	10.957	10.936	10.915	10.896	10.878		10.819	10.781	•	•	•	10.655	10.630		10.581	ŝ	10.462	10.353
	000 I	17,978	15,562	13.663	12.148	11.138	10.822	10.752	10,715	10.684	10.656	10.630	10.605	10.581	10.557	10.530	10.486	10.404	10.296	10.212	10.164	10.135	10.115	10.098	10.082	10.054	•	10,003	6.646	6.957	9.936	9.618	9.89£	5.878		518.5	~	9.746	5.714	6.684	9.656	3.63.6	9.608	9.581	• 53	•	9.383
	0 0 0 0 1	15.978	13.563	•	10.314	9.863	9.785	5.747	9.714	9.684	9.656	9.629	9.604	9.579	9.544	9.475	9.356	9.252	9.197	9.167	9.146	9.128	9.112	6.097	9.082	9.054	9.027	9.003	8.979	8.957	8.936	8.915	8.896	8.878	8.860	0	•	8.746		8.684	8.656	8.630	VQ.	8.581	55	8.462	8.383
	DEG K/LOG PE	7000.	9000	• 0006	10000.	11000.	12000.	13000	14000.	15000.	16000.	1 7000.	18000	19000	20000	21000.	22000.	23000.	24000.	25000.	26000.	27000.	28000.	29000.	30000°	32000.	34000	36000.	38000	40000	4 20 00 •	44000.	4 60 00 •	48000.	50000.	55000.	00000	65000.	70000	75000.	80000	85000.	90000	95000	• 00 00 01	125000.	150000.

1000.	-5.964	ø	外外	***	**	**	* * * * * * * * * * * * * * * * * * * *	**	****	***
8000	-3.606	4	-5.604	-6.601	-7.595	***	**	**	**	***
* 0005	-1.765	-2 757	-3.755	-4.753	-5.748	-6.737	**	***	**	***
100001	-0.454	<u>.</u>	-2.267		-4.253	-5.249	-6.231	-7.190	****	***
11000.	-0.045	0 31	.	• 03	0	-4.021	00.	96	-6.895	***
12000.	-0.004		-0.302	-1.042	• 00	-2.990	-3.973	\$6.	-5.875	-6.781
13000.	-0.001	600	ં	-0.365		. 1.1	60.	• 06	00	
14000.	0.000-0-	0 00	0.10.0	680 • 0-	-0.514	-1 • 369	-2.338	• 30	-4.252	-5.174
15000.	000.0-	00.0	-0.005	-0.021	-0-174	-0.767	-1.683	-2.648	-3,596	-4.523
16000	0000-0-	00	-0.001	900 • 0-	-0.052	-0.354	-1:123	-2.077	-3.017	-3.949
17000.	000.0	ွ	0.00.0	-0.002	-0.016	• 14	-0.673	-1,567	-2.502	-3.438
18000.	000.0	8	-0.000	-0.001	-0.005	-0.053	-0.356	-1.124	-2.043	-2.981
19000	0.003	00	0.000	0.00 * 0.	-0.005	• 02	-0.171	-0.755	-1.633	
20000	0.015		0000.0	000.0-	-0.001	600°C-	-0.080	-0.470	-1.270	-2.197
21000.	0.063			000.0	000.0-	-0.004	-0.038	-0.275	-0.970	•
22000.	0.161			0.00	-0.000	-0.005	-0.019	-0-154	-0.701	
23000	0.246		0.013	100.0	0.00	100.6-	-0.010	-0.086	-0.486	-1.276
24000.	0.283	0 134	0.041	0.005	000.0	-0.001	-0.005	-0.049	-0.326	-1.030
25000.	0.295	50	•	0.015	•	-0.000	-0.003	O.	-0.213	-0.814
26000.	0.299	0 281	0.178	0.039	90000	•	-0.002	-0.017	-0.138	-0.630
27000.	0.300	0 293	0.239	0.085	0.012	٠	-0.001	-0.011	060.0-	-0.478
28000	0.301	0 298	0.273	0.150	•	0.003	00.	-0.007	-0.059	-0.356
29000	0.301	0 300	0.289	0.211	•	•	0	0	-0.040	-0.263
30000	0.301	300	0.295	0.253	901.0	0.015	0	-0.003	-0.027	-0.193
32000.	0.301	0 301	0.300	. 💌		•	0.007	0	-0.014	-0.104
34000.	0.301	0 301	0.301		0.269	0.140	0.024	0.001	-0.008	-0.059
36000	0.301		C-301		•		0.066	့	-0.004	-0.035
38000.	0.301	30	0.301		•		• 13	0.022	-0.001	-0.022
40000	0.301	0 301	0.301	0.301	0.300	۰	0	0	00.00	-0.014
4.20.00	0.301		0.301	0.301	٠	Ų.	.25		0.013	-0.008
44000.	0.301		0.301	•	٠	٠	Ş		0	-0.004
4 20 00 4	0.301	33	106.0	0.301		•	Š	~	0.057	0.002
48000.	0.301		0.301	0.301	٠	•	٠	• 24	0*095	
50000	0.301	30	0.301	0.301		•	• 29	•	0.140	0.022
55000.	0.301	0 301		•30		0 • 301	002.0	• 29	0.232	0
.00009	0.301		m	0.301	. •	•	920	0.298	0-275	0.158
.00059	0.301	0 301	0.301	0.301	٠		•	• 30	0.290	
70000	0.301	30	m,	0.301			r)	30	•	
30	0.301		0.301	0.301	•	٠	0.301	0.301		0.280
00	0.301		Ę.	30	30		0.301		0.299	0.288
200	0.301			• 30	0.301	•		0.301	0.300	0.203
000	0.301	0=301	0.301	0.301		٠	30	0.301	30	0.296
200	102.0		0.301	0.301	•	•	0.301	0.301	•	0.297
	0.301			0.301	0 - 301	0.301	0.301	0.301	0.300	0.298
C	7		3	•	•	٠	ι.	0.301	106.0	0.300
	0.301	0=301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.300
		•								

DEG K/LOG PE	-2-000	0 3 0	000.0-	1.600	2.000	3.000	4.000	000 s	6.000	7.000
7000	-7.199	-5.200			*	**	* * * * *	***	**	**
8000	-9.615	-7.615	-5.617		-1. 525	**	***	* * * * * * * * * * * * * * * * * * *	* * *	* * * *
0006	-11.567	- 5 51 4 - 1 1 000	0.010	12.018	-3.524 - 5.524	1.030	*****	# P X X X	* * *	* * * * * * * * * * * * * * * * * * * *
1000	-13,314	-12.040	-10.286		62.50	-4 333	-2.355	166 0-	1.536	***
1 2000	-13.392	-12-355	-11.095	-9.355	-7.395	-5.407	-3.424	-1 456	0.478	2.385
1 3000	-13,431	-12.426	-11.378	-10.067	-8.283	-6.318	-4 • 336	-2 366	-0.427	1.488
1 40 00	-13.464	-12.463	-11.454	-10.374	-8.949	-7.095	-5.125	m -	-1.211	0.710
1 5000	-13.494	-12.493	-11.492	-10.473	-9.320	-7.727	-5.811	-3.846	-1.898	0.029
16000	-13.522.	-12.522	-11.521	-10.516	-9.470	-8.168	-6.399	-4.444	-2.505	-0.573
1 7000	-13.548	-12.548	-11.548	-10.546	-9 • 5 EZ	-8.408	-6.875	-4.982	-3.046	-1-110
18000	-13.573	-12,573	-11.573	-10.572	-9.557	-8.520	-7.217	-5.449	-3.530	-1.592
1 9000	-13.599	-12.597	-11.596	-10.596	-9.594	-8.575	-7.425	-5.842	-3.963	-2.027
20000	-13.634	-12.620	-11.619	-10.619	н 9 Се н	-8.610	-7.539	6 1 48	-4.349	-2.422
21000	-13,703	-12.648	-11.641	-10.640	-9.639	-8.635	-7.602	-6.365	-4.670	-2.781
22000	-13.821	-12.692	-11.664	-10.660	-9.660	-8.658	-7.641	-6.506	-4.959	-3.108
23000	-13.925	-12,773	-11.693	-10.681	62a•6-	-8.678	-7.669	-6.593	-5.193	-3.403
2.4000	-13,981	-12.882	-11.739	-10.703	869.6-	-8.697	-7.692	-6.649	-5.372	-3.668
25000	-14.011	-12,966	-11.816	-10.730	-9.717	-9.715	-7.712	-6.687	-5.503	-3.901
2 60 00	-14.031	-13.014	-11.911	-10.771	-9.737	-8.733	-7.731	м 4 Ф	-5.595	-4.102
70:00	-14.049	-13.042	-11.988	-10.834	-9.761	-8.750	-7.748	-6.738	-5.659	-4.271
8000	-14.065	-13.063	-12.038	-10.915	-9.792	-8.768	-7.764	-6.758	-5.705	-4.409
29000	-14.081	-13.080	-12.069	-10.991	-9.838	-4.787	-7.780	-6 575	-5.740	-4.517
0000m	-14.096	-13.095	-12.090	-11.047	668.6-	-8.810	-7.796	162.9-	-5.767	-4.602
32000	-14.124	-13.124	-12•122	-11.111	-10.033	-3.880	-7.829	-6.822	-5.309	-4.718
34000	-14.150	-13.150	-12.150	-11.147	-10-113	686.8-	-7.873	-6.850		161.4-
36000	-14-175	-13.175	-12.175	-11.174	-10.164	360°61	17.940	16.881	-5.870	14.839
38000	061.41	DET - 0 I -	261.21.	-11.198	-10-195	COI • 6-	18.032	076.01	160.01	0.00
40000	177**!-	13.221	122.221	-11.22.1	3 0 0	702.6-	-8.123	7	10.924	0.00
42000	74.74.	10.646	242.21	711-646	142 011	0.00	10.01	2000	10.404	14.936
44000	14.202	13.202	707.71	100 11-	702 011	602.61	10.00	101.7-	166.41	7.0.4
0000	107.41	103.501	102.01	111.201	100 011	0000	6000	17:045	16.000	100 to 1
	-14-318	13.10	000.011	0000			418-8-	7.295	16.156	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0000	14.359	0.13.350	12,359	111.359	011	10,350	י מר מי מי מי	7-350	16.290	15.135
00000	-14.397	-13,397	-12,397	-11,397	10 397	-9.397	-8.396	-7.394	-6.371	-5.254
65000	-14.432	-13.432	-12,432	-11+432	-10 432	-9.431	-8.431	-7.430	-6.421	-5.354
70000	-14.464	-13.464	-12.464	-11.464	110 464	494.6-	-8.464	-7 463	-6.458	-5.424
5000 B	-14.494	-13.494	-12.494	-11.494	-10 494	464.6-	464.6-	-7.493	-6.491	-5.472
80000	-14.522	-13.522	-12.522	-11.522	110 522	-9.522	-8.522	-7.521	-6.520	-5.509
85000	-14.548	-13.548	-12.548	-11.548	110 548	-9.548	-8.548	-0 548	-6.547	-5.540
0,0006	-14.573	-13.573	-12,573	-11.573	-10 573	-9.573	-8.573	-7.573	-6.572	-5.567
000SU	-14.596	-13,596	-12,596	-11,596	110 596	965.6-	-8.596	-7.596	-6.596	-5.592
00000	-14.619	-13.619	-12.619	-11,619	619 011	-9.619	-8.619	_7_61P	-6.618	-5.615
125000	-14.716	-13.716	-12.716	-11.716	-10 715	-9.7.16	-9.715	-7.715	-6.715	-5.714
0000	-14.795	-13,795	-12.795	-11.795	-10.795	-9.795	-8.795	-7.795	-6.794	-5.794

				LOG OF	GAS PRESSURE	SURE				
DEG KZLIIG PE	-2.000	-1 300	0 G O O	000*1	2.000	3.000	000°e	\$ • 80 0	000*9	7.000
7000	3.963	5	*	* * * * * * *	**	***	*	* * * * * * * * * * * * * * * * * * * *	*	***
9000	1.606	ò.	• 60	•	65.	* * *	**	**	* * *	* * * * * * * * * * * * * * * * * * * *
0006	-0.228	1 758	3,755	. 75	7.748	.73	**	* * * *	*	* * * * * *
0000	-1.415	3.1	2.269		3	• 24	. 23	2.19	*	* * *
1000	-1.676		10	3.041	0	0	9.004	96.	2.89	# : # ! # !
20.00	1.697		0.478	•	0	2.990	16.	94	1881	0
3000	-1.699	5,6	32	1.521	3.178	. 11		9.065	0	2.91
4000	-1.599	0	0.306	1.348	\$	•	•34	C	23	2.17
5000	-1.699	0		1.312	ب	3.835	69.	•64	. 59	1.52
9009	-1.699	6	• 30	•	•	•		0	0.	•
17000	-1.699	0 59	0.301	1.302	•	ij	4.756	.57	.50	•
1 80.00	-1.699	669 0-	0.301	1.301	ŗ,	3,328	ស	-	3.047	86.
0006	-1.700	0.5	•	1.301		.31	4.395	Q!	o,	
2000	-1.706		0.301	1.301	• 30	• 30	4.342	\$ 29	7.292	•
21000	-1.729	0 73	0.301	1.301	'n	• 30	4.320	• 45	ا و	•
2ZC00	-1.772	0	0.259	108.1	2,301	3.302	4.310	• 38		8.554
00	-1.805	0 74	0.294	1.300	2.301	3.301	4.306	• 34	ှ	R 297
24000	-1.818	0 78	0.281	1.299	'n	3.301	4 • 303	• 35	6	8.067
25000	-1-822			1.294	m •	3.301	4.302	5,314	6.418	7.873
26000	-1.823	-0 317	0.221	1.282	2.299	3.301	4 - 302	• 30	6.373	7.718
0.0	-1.824		0.198	1.260	2 . 295	3.300	4 + 301	• 30	6.346	•
2 × 000	-1.824	-0 823		1.232	Ġ	3.299	4.301	5.304	35	7.509
0.0	-1.824	0 82	0.180	1.208	CVI	3.297	4.301	• 30	6,319	7.446
30000	-1.824	0 82	0.178	1.193	'n	3.293	4.300	5.302	6.313	7.402
00	-1.824	0.82	0.176	1.180	٠ د	3.273	2	.30	6.305	7.350
34000	-1.824	ö	0.176	1.177	2.187	• 23	.28	٠	6.303	7.320
36000	-1.824	-0.824		1.176	• 13	3.204	Ŋ	.29	6 300	410.7
8000	-1.824	÷ (_	1.176	-	-	4.239	23	0000	7. 204
40000	1.824	÷ 6	0.176	1.176	. 17	30 1	Ņ,	•	6.96	7.301
0.0	4 2 2 2	œ.	0.176	1.176	Ξ.	3.178	7	5.253	1 0	2.299
44000	1 1 0 0 4		17	1.176	24175	3011	4.184	0.00	1 ~	
40000	11.824	200	0.176	1.176		3-176	7	5.194	6.255	7.293
	824	0 0	-	924	921.6		1.5	α	m	7.287
2000	-1.824	0.83	0.176	1.176	•	3.176	7	5.179	66199	7.261
00	-1.824	10 x 2 x	921.0		. `	3.176	-	- 17	6.184	7.226
0000	1.824	o	0-176		2.176	. 17	-11	. 17	621.9	7.200
-00	-1.824	•				.17	7	.17	6.177	7.187
■00	-1.824	. 8	0.176			. 17	.17	-		7.181
100	-1.824	-0 824		1.176		.17	.17	5.176	6.176	7.178
5000	-1.824	0	17					5.176	6.176	7.176
10000	-1.824	82	0.176	1.176	. 17	.17	-	.17	921.9	7.176
€000	-1.824	82	~	1.176	2.176	3.176	4.176	5.176	6.176	-17
0000	~	0.82	17	1.176	-	• 17	.17	17	-17	~ 1
2000	1.8	0.82	-	-	. 17	3,176	7	.17		7.175
±0000	-1.824	-0.324	0.176	1.176	2.176	3.176	4.176	5.176	9.1.0	

				700	8 PRIME	iri				
K/L G PE	-2.000	-1.000	-0.000	1.000	2.000	3.000	4.000	5.000	6.000	7.000
2000	7.317	• 31	***	***	*	**	****	**	***	***
8000 8000	7.318		7.317			**	***	**	***	***
0006	7.325	7.318	7.318	•		7.317	***	**	***	**
00001	7.448	7.339	•		7.317		7.317	7.317	***	**
11000=	7.597	7.488	7,353	7 • 32 1		7.317	7.317	7.317	7.317	***
2000=	7.616	7.59 B	7.493	7,355	7.322	7.318	7.317	7.317	7.317	7.317
13000	7.618	. 61	7.592	7.473	7.6.347	7,321	7.318	7,317	7.317	7.317
4000	7.618	7.618	7.614	7.576	7 • 433	7.336	7.319	7,318	7.317	7.317
15000	7.619	7.618	7.617	7.608	٠	.7.386	7.326	7.318	7,318	7.317
16000	7.619	7.619	7.618	7.616	7.593	7.476	7.349	7.321	7,318	7.317
17000	7.619	7.619	7.618	7.618	7.510	7.554	7.401	7.329	7,319	7.318
18000	7.619	7.619	7.619	7.618	7.616	7.593	7.476	7.349	7.321	7,318
19000	7.620	7.615	7.619	7.618	7.617	7.608	7.541	7.387	7.327	7,319
20000	7.626	7.619	7.619	7.618	7.618	7.614	7.580	7.443	7.340	7.320
21000	7.651	7.622	7.619	7.619	7.613	7.616	7.600	7.502	7,361	7.323
22000	7.767	•	7.620	7.619	•	7.617	7.609	7.547	7.395	7,329
23000	7.759	7.668	7.625	7.619	7.619	7.618	7.613	7.577	7.438	7,339
24000=	7.783	7.720	7.640	7.621	7.519	7.618	7.615	7.594	7.483	7,354
25000=	7.791	7.761		7.626	7.619	7.618	7.617	7.604	7.522	7.377
26000=	7.793	7.782	7.717	7.638	7.621	7.619	7.617	7.609	7.552	7.405
27000	7.794	• 79	7.755	7.663	7.624	7.619		•61	7.573	7.438
280.00	7.794	7.793	7.776	7.700	7.633	7.620	7.618	7.614	7.587	7.471
29000	7.795	7.794		7.737	7.548	7.622	7.518	7.615	7.597	7.501
30000	7.795	• 79	•	7.763		•	7.619	7.616	7.603	7.527
32000	7.795	. 79	7.794	7.786	7.736		7.622		7.610	7.564
34000	7.795	7.795	•	7.792	7.774	7.694	7.631	7.619	7.613	7.585
36000	7.755	7.795	•	7.794	7.788	7.743	7.653	7.622	7.615	7.897
38000	7.795	7.795	7.795	7.794		7.772	1.691	7.629	7.617	7.603
40000	7.795	7.795	7.795	7.795	7.794	7.785	7.732	464	7.619	7.608
42000	7.755	7.795	7.795	7.795	7.794	7.791	7.761	7.672	7.624	7.611
44000	7.795	7.795	7.795	7.795	7.794	7.793	7.778	7.705	7.633	7.613
46000=	7.755	7.795	7,795	7.795	7.795	7.794	7.786	7.736	7.647	7.616
48000	7.795	7.795	7.795	7.795	7 • 795	7.794	7.790	. 75	7.668	7.620
50000	7,795		7.795		7.795	7.794	7.792	•77	7.693	7.626
55000	7.795	7.795	7.795	•	7.795	÷7.	7.794	. 78	7.749	7.656
60000	7.795	•	7.795	• 79	•	7.795	7.794	• 79	7.776	7. 702
65000	7.795		7.795	7.795	.79	7.795	7.794	7.793	7.786	7.741
70000	7.795	7.795	7,795	7.795	7.795	7.795	7.794	7.794	7.790	7.766
75000	7.795	7.795	7.795	7.795	7.795	7.795	7.794	7.794	7.792	7.778
80000	7.795	7.795	7.795	7.795	•	7.795	•79	7.794	7.793	• 78
85000	7.795	7.795	• 7.9	7.795	• 79	7.795	7.795	7.794	7.793	.78
■ 0,0006	7.795	7.795	7.795	7.795	• 79		.79	7.794	7,793	. 78
95000	7.795	7.795	7.795	7.795	7.795	7.795	.79	7.794	7.794	7, 790
00000	7.795	7.795		7.795	• 79	•	.79	7.794	7.794	• 79
25000	7.795	• 79	• 79	7.795	6.4.	• 79	• 79	.79	•	
20000	7.795	7.795	7.795	7.795	7.795	7.795	7.795	7.795	7.794	7.793

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1000	608*9	8	**	***	*	**	***	**	***	**
8000	9.167	8.158	7.169	6.171	5.177	***	***	***	***	***
0006	11.008	10.	9.017	8.020	7.025	•	***	***	***	***
10000	12,319	4 8	.50	.51	51	.52	5.4	5.590	***	**
11000	12.728	12.454	11.700	10.736	۲.	8.752	7.769	6.810	.90	***
12000	12.769		•	73	*77	• 78	•80	.83	6.	0.8
1300p	12.772	• 76	7	• 40	• 62	• 66	19.	.71	~	• 92
14000	12,773	12.772	12.763	12.684	• 25	• 40	10 • 435	9.466	8.531	7.650
1500 ₀	12,773		.77		ŝ	00.	60.	. 12	8.18	28
16000			12,772	• 76	.72	• 4.1	S	•69	• 76	. 85
70	12,773	• 77	77	.77	• 75	• 63	• 10	• 20	.27	• 36
18000	12.774		12,773	.77	• 76	72	4.	• 65	73	8
\circ	12:779	.77		.77	.77	.75	• 60	.01	4	10.221
000	12,806	11	12,773	12,773	11	• 76	0.	0	11.507	10.591
001	12,902	• 79	12.775	*77		• 76		640	.80	. 92
2200	13.073	•	Š	12.774	►.	12.771	S	12.619	.07	83
\sim	13,202	• 95	12,802	• 77	*77	.77	•76	9 68	. 28	ហ
0	13,254	910		٠	~	•	•	.72	٠	~
0	13,272	• 20	12.971	12.805	.77	.77	11	•74	12,562	96.
0	13.277	13.253	13.100			.77	.77	.75	12.637	• 15
0	13.279	•	13,192	12.944	,	•77			•68	12,302
2	13.279	27	13.241	13.055	12.832	•77	.77	•76	12,715	12.423
2900	13.280	27	13,263	13.150	æ	• 78	12.774	•76		. 51
2	13,280	13.279	13.272	ů	O	æ	۲.	.77	12.747	. 58
	13.280	13.290	13,278	13.262	•14		co.	12,773	٠,	• 67
3400	13.280	28	13.279	Ġ	.23	603	.82	• 77	. •	.71
· c	13.280	13,280	13.280	13.278	• 26	٠	12.908	12.791	12.771	• 7 4
, ,	13.280	13,280	13.280	.27	. 27	13,233	0	.82		• 75
000	13.280		13.280	• 28	.27		۳.	•88	12,785	• 76
2002	13,280	. 28	13,280	.28	.27	.27	• 50	16.	.80	• 76
000	13,280	-23	•	•28	•		2	• 04	12,839	.77
600	13.280	23.3	13.280	• 28 8	Ġ	.27	•26	• 1 4	12.892	
8000	13.280	• 28	13,280	Š	S.	.27	•27	\$20	12,963	0
000	13,280	• 28	13.280	.28		.27	.27	23	.03	.82
500		٠	N	•28	•	28	~	26	æ	.93
000		8	28	• 28	٧.	. 28	.27	.27	2.2	.07
8	13.280	• 28	8	\$28	Ŋ	. 28	œ	5	13,265	- 17
0000	13.280	•	13.280	• 28	•		Š	13,279	.27	13.227
000	13.280	233	13.280	.28	• 28	• 28	28	S)	.27	N
0000	13.280	• 28	13.280	• 28	•		5	13,279	ď	Š
0	13.280	13,280	٠	• 28	13.280	13.280	13.280	13,279	13.278	N
0	13.280	• 28	28	. 28	•		Ġ	.28	.27	13.274
0	13.280	13.280	28	• 28	. 28		.28	• 28	.27	13.275
0000	3.2	• 28	28	œ	5	• 28	ç	œ	.27	1
5000	Š	. 28	28	•28	Ċ.	• 28	•28	• 28	.27	27
1500001	13.280	13.280	13.280	1.3.280	13.280	13.280	13.280	13.280	13.280	13.279

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T DEG K/LDG ME	-2.000	-1.000	-0.000	1.000	2.000	3.000	4.000	2.000	000.5	7.000
000	11.230	11,339	**	***	***************************************	**	***	**	**	*
8000	11.399	11.397	1.39	1 . 39	11.397	***	**	**	***	*
0006	11.588	11.464	11.449	11.448	11.448	11.448	***	****	**	**
1 0000	12,399	.83	11.538	11.498	11.494	11.494	11.494	Ō.		***
11000	12.778	12.525	1.94		11.542	•	53	11.535	11.535	***
12000	12,820	.78	12.546	1.97	•	ŝ	11.573	•	11.573	•57
1 3000	12,828	.82	12.778	649	11.932	9	.61	11.608	11.608	11.607
14000	12.832	•	.82	12.750	· C)		11.668	11:643	11.640	11.640
1 5000	12,836	12,836	٠	.81	•		.77	11.683	.67	1.67
16000	12,840	12.840	12.840	•	٠	12.524	66.	11.742	1.70	1.69
17000	12.844		• 84	•		12.717	ď	11.848	-	1.72
1 8000 T	12.849	12.848	12.848	12.348		12.799		12.021		1.75
19000	12,857		85	•	N	N.	•	12.240	11.872	1.079
00002	12.884	•	.85	•	•	€	۲.	12:453	11.990	1.82
21000	12.973	•	.86	12,860	12.859	12.856	12.825	12.618	12.134	.87
22000	13,131	٠		•	Ň	œ.	œ	12.726	12,302	11.941
23000	13,253	13,030	•	•	Ŋ	12,865	ဆ	12.790	12,460	12.030
24000	13,304	13.168	12.945	12.879	12.871		ဆူ	12.827	12,592	12.138
25000	13,322	13,263	13.046	12.901	12.877	Ň	12.871	12.649	12,689	12,258
26000	13,329	13,306	13.165	12.947	12.886	12.878	12.876	12.863	12,757	12,379
27000	13,333	13, 324	13,252	13.027	12.902	å	12,880	12.872	12,802	4.9
28000	13.335	13, 332	13,299	13.128	12.934	10 •	12.885	12.873	12,833	12,588
29000	13,337	13,336	13,322	13.218	12.989	Ň.	888	12.884	12,853	12,666
30000	13,339	13,339	13,332	13.276	13.066	12.919	12.894	12,889	12,869	12,728
32000	13.343	13,343	13,342	13.327	13.223		ů,	12.898	12.987	12,809
34000	13,347	13.347	13,346	13.342	m	13.128	12.947	12,909	12.899	12, 855
36000	13,351	13,351	13,350	34	13,337	13.246	0	12.926	12,409	12,882
38000	13.354	13,354	13,354	•35	34		7	12,957	12.920	12,900
40000	13,358	13,358	13,358	•35	13.356	•	ç	13.012	12.934	12,914
4.2000	13,361	13,361	13,361	13.361	13.363	13,354	o.	13.091	12,955	12,925
44000	13,365	13,365	13,365	13,365	13,364		i, i,	13.178	12,988	12,937
46000	13.368	13,368	13,368	13,368	13,368	13.367	13,352	13.252	13.036	12,951
4.8000	13.372	13,372	13,372	13.372	13.372	13,371	13.363	13,303	13.098	•
€0000€	13.375	13,375	13,375	13,375	13,375	13,375	13.370	13,335	13.165	12,993
S 5000	13.384	13,384	13,384	13,384	٠	13,383	13.382	13,372	13.298	60.
00009	13,392	13,392	13,392	13,392	δ.	39	39	13,388	13,360	
65000	13.400	13.400	13.400	13,400	0	13.400	0	13,398	13,387	
70000	13.408	13.408	13.408	1.3.408	13,408	40	13.408	13.407	₫.	
75000	13.416	13.416	13,416	13.416	13,415	_	4	13.415	13.412	13,390
80000	13.424	13.424	13,424	• 42	13.424	4	4	13.423	4	•
8 5000	13,431	13,431	13,431	13,431	13,431	13.431	13.431	13.431	4	
■00006	13.439	.43	43	.43	4.	• 43	443	13.438	4	۰
■00056	13.446	13.446	13.446	• 44	44	• 44	4		13.445	4
100000	13.453	.45	• 45	• 45	0	• 45	.45	45	4 ()	4
125000=	13.488	co.	φ.	φ.		13.488	οo,	13.487	13.487	φ.
150000=	13,519	13.519	13.519	13.519	13.519	13.519	13.519	13.519		13.518

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II.

ATOMIC SPECIES

ATOMIC SPECIES : HE	ci Eu									
T DEG KALBG PE	-2.000	-1.000	0 0 0	1.000	Z•000	3 000	4.000	2.000	000.9	2 000
000	0		e I				0	6	6	9
23002	200.00	1000	100	1000	1000		1000	1000	7000	700
29000	0.303	0.302	0 301	0.301	0.301	0_301	0.301	0.301	0.301	0 301
30000	0.306	0.302	0=301	0.301	0.301	0=301	0.301	0.301	0.301	0= 301
32000	0.318	0.307	0=303	0.302	0.301	0=301	0.301	0.301	0.301	0=301
34000	0.355	0.319	0 307	0.303	0.302		0.301	0.301	0.301	0 301
36000	0.442	0.351	0 317	0.306	0.303	0 302	0.301	0.301	0.301	0 301
38000	009.0	0.419	0 342	0.314	0.305	0 302	0.301	0.301	0.301	0 301
06004	0.824	0.541	0 392	0.332	0.311		0.302	0.301	0.301	0 301
42000	1.084	0.716	0=479	0.365	0.322	0=308	0.303	0.302	0.301	0=301
44000	1.353	0.929	0=508	0.423	0.343	0=315	0.306	0.303	0.302	0=301
46000	1:615	1.158	0 772	0.510	0.379	0 328	0.310	0.304	0.302	0 301
48000	1.864	1.388	65a 0	0.627	0.433	0 348	0.317	0.306	0.303	0 302
20000	2.096	1.610	1 154	0.769	0.508	0 379	3.327	0.310	0.304	0 302
55000	2.610	2.115	1 028	1.170	0.781	0.517	0.383	0.330	0.311	0 305
00009	3.043	2.545	2=050	1.556	1.113	0 = 7 4 4·	0.497	0.376	0.327	0.311
65000#	3.412	2.912	2=014	1.921	1.442	1=003	0.655	0.454	0.360	0=328
100001	3.729	3.229	2 530	2.233	1.743	1 -283	0.874	0.575	0.415	0 352
75000	4.005	3.505	3 006	2.507	2.012	1 540	1.095	0.727	0.495	0 390
80000	4.248	3.748	3 248	2.748	2.251	1 767	1.298	0.896	0.587	0 442
85000	4.463	3.963	3 062	2.962	2.464	1 979	1.498	1.068	0.704	0 507
00006	4.554	4.154	3=654	3,154	2.654	2-162	1.683	1.218	0.831	0.583
*00056	4.827	4.326	3=326	3,326	2.825	2=335	1.851	1.375	096.0	0=667
1000001	4.982	4 + 482	3 981	3.481	2.981	2 492	1.994	1.522	1.087	0 754
125000,	5.579	620.9	4 578	4.078	3.577	3 083	2.584	2.092	1.611	1 178
150000.	5.984	5.484	4 984	4.483	3.983	3 490	2.987	2.502	2.010	1 624

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ທຸ	846	-5.270	-4.592	-3=777	-2.857	-1.891	-0.947	-0.254	-0.035	-0 011
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000.9	****	***	***	****	-1.106	-1.198	-1.198	-1:198	-1.198	-1.198	-1.198	-1.198	-1.198	-1.198	-1.198	-1.205	-1.212	-1.218	-1.224	-1.229	-1.249	-1.250	-1 -252	-1.254	-1.252	-1.269	-1.277	-1.285	-1.292	-1.299	-1.307	-1.305	-1.307	-1.308	-1.315	-1,325	-1.337	-1.347	-1.356	-1.365	-1.374	-1.382	• 39	3	-1.429	-1.455
0.000.5	****	****	*	-1.421	-1.435	-1.448	-1.460	-1.471	-1.480	-1:493	-1.502	-1.510	-1.518	-1.525	-1.532	-1.562	-1.558	-1.559	-1.562	-1.565	-1.570	-1.575	-1:579	-1.584	-1.593	-1.602	-1.610	-1.619	-1.628	-1.620	-1.621	-1.624	-1.627	-1.638	-1.646	-1.657	-1.668	-1.679	-1.689	-1.698	-1.707	-1.715	.72	1 . 7	-1.763	-1.789
4.000	***	***	***	-1.758	-1.77.1	-1.784	962-1-	-1.306	-1.816	-1.826	-1.835	-1.843	-1.850	-1.858	-1.871	-1.875	-1.880	-1.885	-1.891	-1.896	-1.902	-1.907	-1.912	-1.917	-1.926	-1.936	-1.948	-1.936	-1.937	-1.951	-1.951	-1.954	-1:959	-1.964	-1.977	-1.990	-2.001	-2.012	-2.022	-2.031	-2.040	-2.048	-2.056	-2:064	-2.095	-2+122
3,000	****	****	-2.075	-2.091	-2.105	-2.117	-2.129	7	-2.150	-2.153	-2.153	-2.185	-2.187	-2.193	-2.199	-2.205	-2:212	-2.218	-2.224	-2:23	-2.235	-2.240	-2-245	-2.251	-2.253	-2.280	-2.203	-2.255	-2.263	-2.273	-2.279	-2.285	-2.291	-2.297	-2.311	-2.323	-2,335	-2.345	-2,355	-2,355	-2.373	30	33	2.3	4	-2.455
0000	******	-2,392	-2.409	-2.424	Ņ	-2.451	•	•	å	-2.501	-2.504	-2.510	-2.518	-2,525	-2.532	-2.538	-2.545	-2.551	-2.557	-2.563	-2.568	-2.575	-2.582	-2.594	-2,588	-2.582	-2.585	-2.591	-2.598	-2.605	-2.612	-2.618	-2.624	-2.630	-2.644	-2.655	-2.668	-2.679	-2.689	-2.698	-2.707	-2.715	-2.723	-2.730	-2.763	-2.789
1.000	×	.72	2.74		Ň	-2.784	å		å	o.	S	-2.843	-2.851	-2.858	-2,805	-2.872	-2,878	-2.834	-2.891	-2.898	-2.909	-2.916	-2.907	-2.901	-2.902	-2.908	-2.916	-2.924	-2.931	-2.938	-2.945	-2.951	-2.957	-2.963	-2.977	-2.990	-3.001	٠	•	3	٠	-3.048	-3.056	٠	•	-3.122
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-1.000		-3,392	4	-3.424	-3.435	•	-3.463	-3.473	-3.483	-3.492	-3.501	-3,509	-3.517	-3,525	-3.532	-3.540	-3.554	-3,552	-3.542	-3.540	-3.543	-3.547	-3.551	-3.556	-3.565	-3.574	-3.582	-3,590	-3.598	-3.605	-3.611	-3.618	-3.624	-3.630	-3.644	-3.656	-3.668	-3.679	-3.689	-3.698	-3.707	-3.715	-3.723	-3.730	-3.763	-3.789
-2.000		-3,725	-3.742	-3.737	-3.779	-3,785	-	-3.806	-3.816	-3.826	-3,834	-3.843	-3.851	-3.859	-3.870	-3.878	-3.865	-3.862	-3.865	-3.869	-3.874	-3.879	-3.885	-3.889	-3.899	-3.908	-3.916	-3.924	-3.931	-3.938	-3.945	-3.951	-3.957	-3.963	-3.977	-3.990	-4.001	-4.012	0	0	•	-4.048	-4.056	-4.064	O,	-4-122
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	19.220	16.221	-7.941	15.046	13.050	******	10.01	1.926	****	****
	-12.597	-11.441	9.8	16.	92	46	-1.965	0.0	1.852	3.467
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	3	-	-11.140	-9.994	-8.955		6.93	.85	-4.455	-2.702
	-13.278	2	-11.246	-10.115	-9.001	~	-6.973	-5.933	-4.688	-3.048
	-13,306	2	-11.296	-10.235	-9.081	-8=014	-7.002	-5.981	-4.837	-3,333
	ŭ	-	-11.327	-10.306	-9.193	-8=061	-7.031	-6.016	-4.931	-3,558
	-13.381	-12,356	-11.353	-10.345	-9.289	-8=135	-7.062	-6.045	-4.993	-3.727
	-13.459	-12,390	-11.377	-10.373	-9.349	-8=228	-7.103	-6.072	-5.037	-3,851
	5	-12.445	-11.403	-10.396	-9.386	-8-314	-7.159	-6.130	-5.071	'n
	-13.581	2	-11.439		-9.412	-8=375	-7.232	-6.131	-5.100	
	E.	-12.582	-11.493	-10.444	-9.435	-8 415	-7.309	-6.171	-5,126	-4.058
	-13.630	-12.620	-11.559	-10.477	-9.456	-8 444	.37	-6.220	-5.152	-4.097
	-13.649	-12.644	-11.614		-9.479	-8 468	-7.426	-6.279	-5.180	-4.130
	n	-12.664	-11.650	-10.580	-9.506	8 433	-7.462	-6.342	-5.212	-4.158
	-13.688	-12.682	-11.676	-10.633	-9.542	-8 509	-7.490	-6.400	-5.249	-4.184
	-13.718	٠.		-10.673	-9.588	-8 531	-7.513	-6.449	-5.292	
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	-14.285	-13.285	-12,285	-11.285	-		-8.225	-7.179	-6.113	-5.044
	-14.318	-13,318	-12,318	-11.318	-10,317	-9-314	-8.291	-7.236	-6.182	-5.105
	-14.348	-13.348	-12.348	-11.348	-10.347	-9=346	-8.333	-7.295	-6.239	-5.166
	-14.376	-	-12.376	-11.376	-10.376	-9=375	-8.372	-7.348	-6.290	-5.224
	-14.402	-13.402	-12.402	-11.402	-10.402	-9 432	-8.400	-7.389	-6.340	-5.277
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	14.4		-12.450	1.45	4	-9 450	10	44	-6.426	
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4000	4.839	***	**	***	***	**	***	***		***
5000	8.748	.75	-	5.757	• 76	**	***	*	****	***
6000	11.294	.37	9.390	.39	•40	•	Û	4.523	**	***
7000	11.980	â	-22	• 29	3	• 32	34	. 41	53	4,915
8000	12.000	90	1.92	11.555	.72	9.16	.78	7.840	6	6.281
■ 0006	12.001	00.	Ģ	11,947	•63	.86		• 96	.05	7.354
10000	12.001	12.001	00.	11.994	.93		.80	• 86	8.951	8.221
11000	12.013	00.	12.001	00.	98	68.	4	0	69.6	93
12000	12,143	• 02	000	• 00	66.	1.97	11.793	, T	0.30	9.407
1 3000	12,393	12,152	12.023		12.000	11,993	11.929	•	0.81	• 92
14000	12.469	12,374	.12	.01	000	1.99	11.975	6 1	1.22	E.
15000	12.481	12,461		12.088	.01	00.	11.990	11,909	4	10.753
0009	12.483		12,439	ď	0	O)	-4	1.9	7	11.072
17000	12,485	.48	4	338	• 1 4	• 3.2	12,000	6 • 1	1.83	11.330
18000	12,495	12.484	12.480	4	12,288	0	12.007	1.9	-	53
19000	12.540	•	4	.47	• 39	7	12.022	9	11.942	
20000=	12.646	51	• 48	12.480	• 44	ÇŲ.	12.057	2.00	•	11.778
21000=	12.741	12,581	4.9	4	.46	177	C)	2.01	11.977	11.847
Z2000=	12.762	÷	12,529	ထ	4	2.4	Q	0		.
Z3000	12.794	•75	59	ស៊ី	• 48	4	C)	2.07	*	11.924
24000	12.798	• 7B	68	ß	• 48	4	ÇV.	2.12	•	11.945
25000	12.800	12.794	12.745	12,586	64.	4	12,419	2.19	•	11.961
0009Z	12.804	62.	12.776	12.659	.51	4	12.447	S	12.053	•
27000	12.816	12.801	12.790	12.721	• 55	4	12,462	2.3	•	11.987
Z8000	12.848	12.805	12.796	12.760	12.614	'n	S.	ຂຶ້	12.139	12.000
29000	12.911	12,818	80	12,731	19.	រប	C)	Q (12.193	12,016
30000	12.981	12,847	80	12.791	.72	រូវ	12.483	੍ਰ•	•	12.037
32000	13.051	12,962	83	12.802	12.	÷D.	12,515	2.4	•	12.094
■4000 ■	13.068	13.040	92	12.822			12,575	٠ د	•	12.170
36000■	13.096	13.064	•	12.831	80	٠,	12,655	N N		•
38000■	13.169	13,084	13.054	12,970	84		12,723	ທ		12,319
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2000	13,256	• 20	• 10	• 05	697	æ	12,787	ശ	525	12.409
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75000	13,265	.26	26	N	26	S	13,246	13,163	.04	12,899
80000	13.265	13,265	.26	13,265	.26	13.264	13.257	13,213	60.	12,963
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000e	12.470	12,375		12.025	12.010		6 • 1	1.8	• 34	• 89
15000	12.482	.46	3.2	60.	.01	00.	66	11.925	11.573	• 07
600	12.484	12.479	• 44	12.250	.05	.01	2.00	16.	• 75	• 26
700	12.486	.48	.47	12,391	.15	.03	.01	66.		11.456
800	12.496	.48	.48	• 45	•	12.074	.01	2.00	1.92	11.616
1900	12.542	12.492	• 48	12.475	939	• 16	12.034	000	96•	
000	12.647	.51	12,489	.48	12,450	.27	12.069	12.016	11.984	11.827
21000	12.742	58	ů	12.486	12.471	.37	.13	• 05	66.	11.888
200	12.782	9	12,532	12.491	12.481	12.430	. 22	2.05	00.	11.929
300	12,795	.75	12.600	.50	• 48	.45	.31	.08	.01	11.957
2000	12.798	.78	12.684	• 53	.49	14.	.38	2.14	.02	11.977
500	12.800	52.	1	ស្វ	.50	.48	.42	2	40.	11.992
Z6002	12.804	7	12.777	12.661	12.524	12.439	12.454	12.282	07	12.005
700	12.816	.80	12.790	.72	•56	6.4	• 47	.34		12.018
800	12.856	81	.0	• 76	•62	ů	.48	, M	.15	12.031
006	12.916	82	æ	• 79	.68	.53	• 48	4.	. 21	12.048
000	12,985	.85	12,815	•	•73	•	4	2.45	• 26	12.069
32000	13,053	• 96	å	.81	2.78	2.67	2.52	2.47	• 36	12.127
o e	13.071	0	6	3	φ	2:75	2.58	2.49		12,202
00	13.099	0	• 02	• 89	82	2.13	2.67	2.52	• 46	12.280
800	13.170	0	•05	~	.85	2.81	2.74	2.57	0	12,348
0000e		.13	• 0 7	0	12.915	2.8	12,783	2.63	.51	12.400
200	13,256	2	7	13,063	• 98	36	.80	2.70	• 54	12.438
000e *	13,262	•24	•16	0	0.3	.91	2.82	2.15	58	12.468
$\boldsymbol{\alpha}$	13,264	-25	å	11	3.06	.97	.85	2.78	• 63	12,495
0	.26	Ġ	•	13,161		3.0	2.8	2,81	2.68	12,523
$\boldsymbol{\alpha}$	13,265	• 26	ď	. 20	3.10	3,04	2.93	2.83	.73	12,556
0	13.265	13,265	ď	• 25	.20		•03	2.90	0	12,656
000	• 26	.26	ď	ď	2	. 13	.08	3.00	2.86	7
90	13.265	• 26	Ġ	13,264	13.262	• 24	.15	0.	.93	81
00000	13,265	.26	13,265	13.265	13.264	13,258	-	3.11	0	86
200		• 26	ď	• 26	• 26	5.50	3,24	3.16	90.	92
0	13,265	Q	Ģ	• 26	•26	.26	Ş	3.21	• 10	98
200	13,265	• 26	.26	• 26	\$20	•	• 26	3.24	• 15	0
■00000	13,265	• 26	13,265	13,265	13.265	13.254	13.263	13,253	• 19	
o a	13,265	.26	• 26	• 26	.26	13.254	.26	3.23	. 22	
100000	• 26	• 26	• 26	• 26	•26	13,264	•	3.26	23	14
125000	13,265	13.265		•	Ş	13.255	13.264		ď	13.241
15000	13,265	.26	• 26	13,265	O	•	13.264	13.254	13.262	13, 255
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GRAM
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T DEG K/L G PS	-2.000	-1.000	0.00 • 0 -	1 000	2.000	3.000	4.000	5.000	6.000	7.000
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808	10.557	**	***	***	**	***	**	**	**	* * *
000	.0	10.665	10.665	10 665	O	*	*	*	*	**
8 0 a 1	• 42	16.	7	76	• 76	• 75	10	• 76	* (* 0
00°C	O.	60	6	01	χo.	ສຸເ	0		0 0	0.6830
800°	12.060	•	6	99		ው (ጉ (9 F	9.0	, (
■ ⁰ 006	2.06	90.	90.	0 (11.752	י זע זע	.		5 6	900
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13000	2.4	22	7	• •	ç,	60	0,	5 5	2.	7.7
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1500		.51	9	~ (11.	٠	9 6		•
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1800	00.7	ָרָ מ	ים מינ		•	• 	יי יייייייייייייייייייייייייייייייייי	J 19	9 0	1.89
1900	12.003	บ ก บ ถ	17.00 × 01.00			1 10	00	•		100
	2 6	9 4	9 3		3.	4	4	, 	133	2.03
22000	2.83		•	12=567	S	100	m	.13	4	0.07
23000	2	.80	. 66		56	.54	.40	12.216	.15	12.101
24004	- Q	83	7.4	12=611	.57	ເດ	•	.26	•17	-
25000	Ň	85	80	9	ហ	12.568	, -1	12,328	(D)	4
26000	12,863	85	•	12=731	9	ທີ	•54	69	•21	S
27000	12.876	.86	12.852	12=790		TO.	• 56	4	. 25	17
28000	12.914	.87	86	8		9	ŝ	64.	12,295	0
29000	•97	8.9	•	m	2.7	9	58	S.	₩.	50
30000	3.03	.91	88.	12=36B	12.807	12,650	S)	ເດເ	9	12, 229
3200°	0	0.0	6	000	D 9	•	0 4	ָ מְּיִּ	* 4	ט ע א ני
3400	. 12	0	66.	• •	n (D .0	9 1	1 0	֓֞֞֞֜֞֞֜֞֞֜֞֝֓֓֓֞֝֓֓֓֞֝֓֓֓֞֝֓֓֓֓֞֝֓֓֓֓֝֝֓֓֓֡֝֝֓֡֓֡֝֝֓֡֓֡֝֝֡֓֡֝֝֡֓֡֝֡֝֡֓֡֝֝֡֡֝֝֡֡֝֝֡֡֝֝֡֜֝֝֡֜	3 5
3600 ₀	13.152	-4 ·	٠	σ (De c	ກຸດ	9 6	200	0	, d
3800 ₀	21	4 .	-			Ď	1 0	1.0	0 0	יי ה ני
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4600	13.319	9 1	N I	10.00	7 1	9 0	1 0	0 0	9	9
4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13.561	13.40.19	9 1	עה	•	•	, 0	4 M	20.00	69
0000	13.320	1 (• 0		27	1.8	2	0	.91	~
2009	33	l KÓ	33	2	32	. 25	.17	6	16.	σ.
65000	34	434	13	13≡3⊕0	.33	13,319	ď	7	40	93
70000		n	m	ě	•34	. 33	.30	• 20	-	66
75000	13,350	35	13,350	35	300	13,348	• 33	• 26	• 16	4
80000		13,355	35	13F355	ß	• 35	'n	.31	• 21	• 10
85000	13,361	•	36	36	1 0	• (3)	33.55	m	. 25	Ω.
■ 00006	ū	•36	ψ,	36	36	• 36	• 36	33	93	
95000	.37	.37	37		37	• 37	• 36	.36	m.	N.
0	W.	.37	37	37	37	.37	37	.37	35	N I
125000	Ō	13,399	13,399		13,399		η.	'n	13.394	
\sim	13.422	.45	•	4 Ú	4 2	4.2	4 2	13.421	13.419	13.412
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4.468 -3.969 -3.469 -2.971. 4.526 -4.027 -3.527 -3.029
-4.577 -4.078 -3.578 -3.079 -4.623 -4.123 -3.624 -3.125 -
-4.664 -4.165 -3.665 -3.166
4.688 -4.201 -3.703 -3.20
-4.474 -4.173 -3.757
-4.430 -4.044 -3.735
14.443 13.977 13.638
-4-466 -3-975 -3-547
4.489 - 3.992 +3.517
14.000 14.014 13.023 14.514 14.033 13.539
14.486 -4.047 -3.557
-4.432 -4.044 -3.574
-4.356 -4.014 -3.584
14.390 - 13.968 - 13.582
14.55g 15.95g 15.55g
-4.427 -3.935 -3.490
-4.440 -3.946 -3.475
14.448 13.439 13.474 14.444 13.970 13.481
-4.399 -3.979 -3.501
-4.372 -3.949 -3.515
14.330
-4.379 -3.921 -3.450
-4.352 -3.922 -3.452
14.344 13.9005 13.459
14.555 15.685 15.457 14.359 13.882 13.442
-4.385 -3.890 -3.426
-4.426 -3.927 -3.432
-4.464 -3.964 -3.465
0.5- 664.5- 666.5- 664.4-
-4.531 -4.031 -3.531 -3.0
-4.561 -4.061 -3.561 -3.0
-4.589 -4.089 -3.589 -3.0
-4.615 -4.115 -3.615 -3.1
-4.640 -4.140 -3.640 -3.1
-4.663 -4.163 -3.664 -3.16
#4.686 -4.186 -3.686 -3.1
-4.783 -4.283 -3.783 -3.28
14.802 14.50Z 13.60Z 13.50

000 2	*****	****	0.624	n	٠	.67	69.	֓֞֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֓֡֓֓֓֡֓֡֓֓֡֓	0.757	77	.80	.82	• 84	.87	689	36.	106.0	. 03	1.07	1.1.1	1.15	1.20	24	Ŋ	• 38	1.473	1.557				16.	. 97	63	9		2.6330	1 4	69	. 75	.80	2.858	8	9	• 15
00000	****	*	. 62	ø	• 65	.67	60.	֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֓֡֓֓֓֡֓֓֡֓֡	 	78	.81	8		16.	ġ,		1.074	200	1 0	1.339	4	4.	•	•	٠		1.950	0 t 0	2.222			•	•		2.739	• •			୍ୟ	S	.32	0	.52	. 63
000 G	*****	0.61	.62	9	• 65	63	0 1	7	4 7	67	.83	.87	•93	00	.04	97.	1.4650	4	52	1.616	1.701	1.784	1.863	2.049	2.193	2.320	Z. 443 Z. 443 Z. 443	2.000 2.000 3.000	2.718	2.798	2.868	2.934	2.995	3.128	3.240 0.45	7.4.4	3.487	3.545	3.601	3.651	69.	1,1	• 00	4.109
4 0 0	****	0	.62	•63	• 65	.57	69 1		0.776	818.0	0.875	0.950	1.045	1 - 155	1.277	C 0 0 1	1.010	1.749	1.862	1.979	2.080	2.151	2.245	2.335	2.487	2.627	0000	2.976	3.068	***	S.	m)	m, i	ů,	יים	α	0	0	0	-	7	Ŋ	4.407	
000 * B	****	0.613	•		o ۰	۰	0 1	٠ P	• 3	90	6	1.136	1.294	1.466	1.601	† O C C	0.000	2.182	2,309	2.427	2.521	2.632	2.741	2.847	6.0	3.114) i.		:0	3.639	3.720	3.785	3.837	3.986	4.00.4	4.326	4.397	4.475	4.545	4.503	4.666		4.908	• 03
8	*****	9	.62	6.3	(5)	0.0) r		9 7		ď	4	•	ag (2.033	F 200 4	2.5.18	9.0	2.784	O.	3.036	3.141	3.222	3,300	3.452	3,595	0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	3.938	4.050	4.114	4.198	4.273	4.338	4.473	4.7.24	4 813	4.901	4.979	5.038	5.101	. 15	2.	5.405	i)
0 0 0	****	9	.62	63	• 0 :	9 1	•	0 0	1 0	, M	1.644	σ0	8	N C	2 4	0 0) F	3.16	'n		m,	m i	m	3.77	3.940	4.031	•	4.424	•		φ.	•	20 (• •	5.3.4	4	4	ហ្វ	5.598	• 65		3	m
0 0 0 1	*****	0	5.5	ō	00	200	0 6	y			0	W.	2.559	2.731	Z - 783	7 6 7 7	ָּהְיּה הַיָּהְיּה	3.535	3.735	3.856	3.969	4.074	4.171	4 • 263	4 5	50	ם מ) (h	00	<u>-</u>	~	N I	יות		<u>د</u> ا ن	- 00	80	Q,	0	•	•		U	6.531
000	*****	0.613	•	6.0	99	- 0	0 -	• !(0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.218	2.525	2.803	3.053	3.282	8 0 4 · E	0.00	3.960	4 . 1 04	4.235	4.357	4.469	4.574	4.671	4.761	4.014	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.306	5.433	5.498	5,588	9	5.746	5.816	0.6.0	6.20	6.308		6.468	6.535	S	• 65	.70	α	7.032
0 0 0 N	0.603	61	• 62	49.	• (9 6	• ·	1 9	١.	2.702		30	5.55	9 0	# N N N N N N N N N N N N N N N N N N N	4-308	4 4 63		4 - 736	ın	ın		ın.	<i>.</i>		 	1 –	5.901	•	6.088	6.171	0.246	0.5	0.4	3 5	6.808	89	96.	. O.3	60	. 15	N I	95	55
T DEG KALOG PE	4000°	00	0.0	00	3 6	• 0000		0	000	00	6000	2000	80008	2 6		000	000	000	8	8	ွ	28000	0 0	000	32,000	2 5	000	Ó	0	4000	0009	0000			30	000	500	00	500	0000	200	00000	2 0	

N z ATOMIC SPECIES :

DEG K/LOM PE	-2.000	-1.000	000.0-	1.000	2.000	3.000	4.000	2.000	000.9	7.000
0.00	4	*	¥	*	¥	****	***	*****	***	*****
000	94	• 94	• 94	• 94	46.	***	****	***	****	****
000	95	6	6.0	.95	95	. 95	• 95	0.952	****	**
0	. 95	6	95	6.	6	95	. 95	196.0	0.95	0
8000	90	0.963	9	96.	96		96.	0.963	96.0	
		0.976		ייי	0.0		0 0	0.959	0.00	0 0
1000	0.982	0.982	0.982				Ö	0.982	0.0	- 86
00	96*	98	98	6	86.	6	. 98	0.989	0.98	96
0	0.995	σ	66.	6	66.	•	66.	966.0	0.99	66.
400	• 00		00	•	00.	•	00.	1.001	1.00	1.001
2000	1.008	•	00.	0	00.	•	• 00	1.008		1.008
0009	0.		•	•	1.014	1.0	• 01	1.014	1.01	0
7000	• 02	•	• 02	1.020	1.020	0 .	• 05	1.020	1.02	1.020
8000	.05	•	0.5	٠	1.026		.02	1.026	1.02	1.026
0006	01:	•	0.0	1.034	1.032	1.0	. 03	1.031	1.0	93
000	• 20	•	• 05		•	•	<u>ල</u>	1.037	0	1.037
0001	4 4	1.172	•	1.057	1.047	1.044	•	1.043	-	9
2000	53	٠	• 13		. •	•	• 04	1.049	0	9
3000	1.763	•	-51	٠	•	•	1.056	1.054	1.0	02
4000	2.001			1.164	•	1.071	• 06	1.060		S
2000	2,235	•	٠		-	•	1.071	1.067	0:	1.065
0009	2.461	•	٠	1.327	1.170	•	• 08	1.074		07
700	2.673	2.198	•	1.434	÷	1.130	• 00	1.082	~	1.076
8000	2.871	•		1.556		٠	1.109	1.090	-	08
0006	3.056	2.573	•	1.689	-	1.213		1.100	_	60
0000	3.222	2.744	•	1.829	4.8	٠	• 15	1.113	_	1.097
2000	3.546		٠	2.108	1.697		1.221	1.146	-	
9 8	3.832	i.	2 - 852	2,373	9	•	.31	16101	1.142	1.135
0000	4.083	•		2.615	• 1 4		4	1.252	1.173	1.161
8000	4.326	•	•	2.848	ب دي:		.57	1.329	1.213	1.192
0000	4.509	٠	•	3.039	ر د د د		•71	1.420	1.263	1.231
42000°	500	4.197		3.220	4 6	•	# (0 . (1.322	1.276
9 6	4000	4.309	9 6	0 0) (9 0		1.389	1.329
	5.170	י פ	020**	0.00 m	3.103	0.7.0	20.00	7.84	10.4.1	1.448
0000	5.304		30	8	100	•) 00 1 M	1.944		2
5000	5.596	5.095	.59	60	.59		65	2.197		1.681
.00009	5.841	5.340	.84	34	8.4	•	88.	2.412	2.000	.84
200	6.049	5.549	• 04	• 54	0	•	60.	2.619	•	00.
000	6.230		• 22	O.	.22	7	•24	2.779		2.140
75000.	6.387	88	• 38	.88	• 38	٠	.40	2.929		2.266
000	6.525	6.025	.52	• 0.2	N	4.032	• 54	3.056		2.379
200	6.648	7	•	• 14	• 54		• 55	•10		4
0	6.758	S	• 75	25	75	• 26	• 76	.27	•	53
000	S	6.357		35	83.	3.0	• 86		2.913	2.656
00000	46.	4	46.	4	46.	• 45	• 95	• 46	•	
N I	629	۲,	5.293	5.792	5.292	4.797	8	ထူး	3.322	0
150000.	m	M	ŝ	•	53	• 03	54	4.051	3.565	3.219

7.000

0000 • 9

0.804

0.800

0.796

0.813 0.818 0.823 0.829

0.845

0.834

0.869 0.882 0.895 0.908

0.936

1.015

0.967

.151

1.147

.214

1.281

.468

ATDMIC SPECIES : N 4

T DEG KALDG PE	000 • 000	0 0 0	d 0 0 0	0 0 0	000	3 000	0 0 0	0 0 • h	000 9	7.000
						•				
1,1000.	0.001	0		0 001	0.001	0.001	0.001	0.001	0 001	0.001
12000.	0.001	0 001	3.001	0 001	0.001	0.001	٠	100.0		0.001
13000.	0.002	0 005	0.002	0 002	0.002	0.002	0.002	0.002	0 002	0.002
14000.	0.004	0	0.004	0 004	0.004	00.	0.004	0.004	0 004	0.004
15000.	900.0	0	0.006	900 0	0.005		900.0	900.0	900 =0	0.006
16000.	600.0	600 =0	600.0	600 0	600.0	.00		600.0		600 0
17000.	0.013	0	0.013	010	0.013	.01	0.013	0.013		0.013
18000.	0.018	0 018	0.018	0 018	0.018	0.018	0.018	0.018		0.018
19000.	0.023	0 023	0.023	0 023	0.023	0.023	0.023	0.023		0.023
20000.	0.030	0.030	0.030	0.030	0.030	.03	0.030	0.030	03	0.030
21000.	0.037	0 037	0.037	0.03.	0.037	0.037	0.037	0.037	0 037	0.037
22000.	0.046	0 046	0.045	0 040	0.045	• 04	0.046	0.046	04	0.046
23000.	0.055	0 055	0 • 0 55	0 055	0.055	.05	0.055	0.055	05	0.055
24000.	0.065	0 065	0.055	м90 0	0.065	.06	0.065	0.065	0 065	0.065
25000	0.075	0 075	0.075	0 075	0.075	0.075	0.075	0.075	0=075	0.075
26000.	0.086	0 0 86	0.085	0 086	0.086	0.085	0.086	0.086	0= 086	0.086
27000.	860.0	860 0	0.098	0 098	0.098	60.	860.0	0.098	0=098	0.098
23000.	0.110	0-110	0.110	0.110	0.110	0.110	0.110	0.110	011.0	0.110
29000.	0.123	0 123	0.123	0.123	0.123	• 12	. 12	0.123	0 123	0.123
30000	0.135	0 135	0.135	0_13p	0.135	0.135	0.135	0.135	0 135	0.135
32000.	0.161	0 161	191.0	0.161	0.161	0.161	0.161	0.161	0 161	0.161
34000.	0.188	0 188	0.188	0.183	0.188	0.188	0.188	0.188	0 188	0.188
36000.	0.216	0 215	0.215	0 214	0.214	0.214	0.214	0.214	0 214	0.214
38000.	0.247	0 243	0.242	0 241	0.241	0.241	0.241	0.241	0 241	0.241
40000	0.286	0 273	0.259	0.268	0.257	0.257	0.267	0.267	0 267	0.267
42000.	0.343	0 310	0.293	0 294	0.293	0.293	0+293	• 29	29	0.293
44000.	0.436	0.359	0 + 332	0 322	0.319	0.318	0.318	0.318	0=318	0.318
46000.	0.582	0 4.33	0.374	0.353	0.345	0.343	0.342	0.342		0.342
48000.	0.732	0=544	0.431	0 380	0.373	0.368	2.367	0.366		0.356
50000	1.021	669 0	0.513	0 433	404.0	0.394	04390	•38		17
55000.	1.664	1-217	0.852	0 = 6 i v	0.508		0.450	0.446		0.444
•00009	2,255	1 770	1.317	0 939	0.689	0.558	0.519	0.502		0.495
65000.	2.768	2 273	1 • 790	1 339	0.968	0.727	• 61	0.564	0 548	0.543
70000.	3.211	2 713	2 . 220	1 741	1.301	0.952	0.740	• 64	0 603	529
75000.	3.597	3 098	2.601	2,111	1.640	1.222	16.	0.740	0 665	63
800000	3.937	3 437	2.938	2 44∃	1.958	1.502	1.121	0.871	0 740	• 68
85000.	4.237	3 737		2.740	•	1.773	1.345	1.024	83	
•00006	4.504	4 0 0 4	3.505	3,006	•	• 0.2	Ν.	1.197	0 8 6 0	
95000.	4.744	4=244	•	3 245	2.748	2.257	• 73	1.377	1=064	0.885
100000	196.4	195 5	96•	3_461	2.963	2.459	3	5.5	1 193	96
125000.	5.790	5 290	064.4	4. 290	3.790	3.291	2.794	2,315	1 861	1.468
150000.	6.350		.35	4 850	35	œ	3.35	.86	2 383	1.931

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	000	-17.286	-15 786	4 . 2	N	-11.287	-9.787	N	-6.776	-5.264	-3.743

TOTAL STREET	o E									
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7000.	-77.521	-80.000	-80.000	0	0.0	0	00.0	-80.000	-80.000	-80.000
*000B	-63,265	66.2	-69+335	-72.708	6.53	0	-80.000	-80.000	0.0	0.0.0
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13000.	-24.824	27.3	0.2	-33.273	.27	-39.275	32	99.	-49,355	11.
14000.	-21.083	-23.237	5.8	8.76	-31.758	-34.755	7.27	•	.44	-48.173
15000.	-17.919	-19.950	å	88	27.83	-30,828	33.82	36.89	40.	88
16000.	-15.155	-17.161	9	1.58	-24.405	ω,	37	33	.59	13
17000.	-12.711	٠	~	86	-21.419		7.32	0.32	.42	83
18000	-10.541	å	4.5	6.57	-18.867	'n	-24.597	~	0	-33.920
19000.	-8.634	-10.580	-12.575	4.58	.71	-19.251	(V	u,	•	33
20000.	-7.045	-8.838	ന	သ	4.86	-17-173	On-	-22.928	-25.926	-29.034
21000.	-5.816	-7.322	-	-11.208	ev.	-15.388	-18.000	-20.925	-23.909	96.9
22000.	-4.842	0.7	162.7-	•74	•	-13.830	-16.252	-19.103	•	ŝ
23000.	-4.004	-5.093	4 0 •	N)	.41	-12.445	-14.708	-17:445	'n	-23,398
24000.	-3.251	-4.283	.51	-7.223	****	-11.195	-13.346	-15.939	-18.852	1.83
25000.	-2.563	-3.574	.57	-6.163	-8.054	-10.050	-12,134	-14.577	•	40
26000.	-1.932	-2.932	-3.974	-5.259	-7.024	-8.995	-11.040	-13,350	-16.125	.07
27000.	-1.358	-2,342	3.35	-4.506	-6.095	-8.022	-10.041	-12.247		-17.848
28000•	-0.857	-1.799		-3.872	-5.275	-7.123	-9.120	-11.252	•	6,71
29000.	-0.465	-1.304	ď	•	-4.568	-6.297	-8.266	-10.347	-12.791	-15.648
30000	-0.215	-0.869	-1.815	-2.826	-3.967	-5.545	-7.472	-9.517	-11.857	•
32000.	-0.037	-0.273	•	-1.951	-2.990	-4.273	-6.046	-8.037		-12,865
34000.	-0.015	-0.062	•		-2.195	-3.308	-4.833	-6.745	-8.829	
36000.	-0.060	-0.019	ò	-0.616	-1.514	-2.545	-3.838	-5.613	-7.629	•
38000.	-0.269	-0.039		-0.547	-0.939	-1.909	-3.047	-4.628	-6.574	-8.782
40000	-0.720	-0.154	•	•	-0.498	-1.359	-2.408	-3.790	-5.638	-7.756
42000.	-1.282	-0.450	۰	0	Q.	+68.0-	-1.871	-3.094	-4.805	
44000•	-1.840	ံ	•		-0.095	-0.523	-1.408	-2.520	-4.071	•
46000.	-2.361	-1.379	ċ	0.0	਼	-0.280	-1.008	-2.037	-3.432	-5.313
48000	-2.841	-1.850	•	ċ		-0 - 1 43	-0.677	•	-2.884	-4.657
20000	-3.280	-2.290	•	ċ	•	-0.074	-0.423	-1.262	-2.416	٠
55000.	-4.187	-3.242	-2.262	-1.289	-0.455	-0.084	-0-112	•	-1.510	-2.852
60000	-4.755	43	-3.042	-2.077	-1.119	• 34	-0.074	•	-0.862	-1.965
65000.	-5.015	-4.380	•		-1.775	84	-3.212	160.0-	-0.430	-1.315
70000	-5.134	-4.585	•		-2-325	-1.387	-0.535	-0.116	661.0-	-0.835
75000.	-5.210	-4.692	-4.140	ຸທຸ	-2.743	ဆ	-0.949	-0.266	-0.114	
80000	-5.272	-4.764	. 24	3.68	9	5	-1.350	-0.523	-0.127	-0.285
85000.	-5.326	-4.823	31	• 78	• 20	.51	-1.693	-0.827	-0.221	-0.175
•00006	-5.377	~	-4.371	88	3.	Ģ	-1.962	-1.122	"	-0.139
•00056	-5.424	-4.923	.42	16.	ω,	-2,823	-2.162	-1.377	-0.584	-0.159
100000	-5.469	-4.968	4	96.	4	6	-2.306		1	
125000.	-5.663	7	-4.653	-4.162	-3.661	7	-2.645	•	ŝ	-0.826
150000.	-5.821	-6.321	-4.821	-4.321	-3.821	-3,321	-2.819	-2.311	-1.781	-1.206

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LOG OF THE SEPRESSION OF THE CONTINIUM

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LBS OF THE BPRESSION OF THE COLT BIUM

OMIC SPECIES : N	N N									
T DEG K/LOM PE	2 000	000	0 aa 0	0000	000	000 E	000	2 000	0 0 9	0000
4000		***************************************	***************************************	***************************************	***************************************	***************************************	***************************************	***************************************	*****	*****
00	65	-3.324	-2.991	-2.657	-2.324	*****	****	****	****	****
.0009	-3.684	3	m	2.68	2,35	-2.017	-1.681	-1.350	****	****
7000	-3.709	-3+394	-3.039	-2.706	-2.373	• 0 4	-1.707	-1.373	-1.106	-0.754
8000	-3,725	-3+393	-3.070	-2.725	•	.05	-1.726	-1,388	-1.106	-0.754
•0006	-3.742	-3.409	-3.077	-2.751	-2.409	-2.075	-1.743	-1.406	-1.106	-0.754
10000.	-3.758	M	n	N	-2.435	2.09	-1.757	-1.421	-1.106	-0.754
11000.	-3.771	-3.438	-3.105	-2.772	N	2.1	-1.771	-1.435	-1.106	
12000.	-3.786	-3.450	-3.117	ď	N	-2.122	-1.803	-1.452	-1.198	
13000*	-3.785	-3.465	-3.129	-2.796	-2.462	-2.130	-1.796	-1.462	-1.198	•
	-3.782	-3.465	-3.141	-2.806	-2.473	-2.140	-1.811	-1.496	-1.198	ċ
15000.	-3.789	-3.460	-3.150	-2.817	-2.483	-2.150	-1.818	-1.498	-1.198	•
16000.	-3.799	-3.466	-3.140	-2.838	-2.492	-2.159	-1.827	-1.500	-1.198	
17000.	-3.808	-3.474	-3.143	-2.824	-2.504	-2.158	-1.835	-1.505	-1.198	
18000.	-3.820	-3.483	-3.149	-2.821	-2.515	-2.176	-1.843	-1.512	-1.198	-0.888
19000.	-3.844	-3.492	-3.157	-2.825	-2.505	-2,188	-1.851	-1.519	-1.198	. •
20000-	-3,839	-3.508	-3.165	+2.832	-2 504	-2.174	-1.858	-1.525	-1.198	
21000.	-3.830	-3.523	-3.176	-2.839	-2 507	-2.176	-1.857	-1.532	-1.203	-0.888
22000.	-3.830	-3.514	-3.194	-2.847	-2 513	-2.188	-1.858	-1.539	-1.208	-0.888
23000	-3.834	-3.509	-3.200	-2.857	-2 519	-2.190	-1.850	-1.546	-1.214	-1.004
24000.	-3.840	-3.509	-3.193	-2.873	-2 526	-2.193	-1.862	-1.543	-1.219	-1.004
25000.	-3.845	-3.513	-3.188	-2.880	-2 535	-2.193	-1.866	-1.544	-1.225	-1.004
26000.	-3.850	-3.518	-3.188	-2.875	-2 547	-2.204	-1.876	-1.546	-1.225	-1.004
27000.	-3.855	-3,523	-3.191	-2.870	-2 562	-2.211	-1.879	-1.548	-1.228	-1.004
28000.	-3.858	-3.528	-3.196	-2.869	-2 559	-2.220	-1.883	-1.551	-1.231	-1.198
29000•	-3.860	-3,532	-3.200	-2.870	-2 558	-2.231	-1.888	-1.554	-1.233	-1.198
30000	-3.858	-3.535	-3.205	-2.873	-2 552	-2.244	-1.893	-1.558	-1.234	-1.198
32000.	-3.867	-3.545	-3.212	-2.881	-2 555	-2.239	-1.897	-1.570	-1.238	-1.198
34000.	-3.876	-3+543	-3.218	-2.888	-2,558	-2.234	-1.902	-1.574	-1.244	-1.198
36000.	-3.881	-3.551	-3.226	-2.833	-2 564	-2.235	-1.306	-1.581	-1.251	
38000.	-3.897	-3.557	-3.225	-2.908	-2,570	-2.241	-1.919	-1.586	-1.257	-1.198
40000	-3.889	-3.577	-3.232	-2.906	-2 576	-2.245	-1.920	-1.590	-1.264	-1.198
42000.	-3.896	-3.562	-3,235	-5.909	-2 588	-2.251	-1.923	-1.593	-1.269	•
44000.	-3.902	-3.569	-3.254	-2.911	-2 587	-2.257	-1.928	-1.606	-1.273	-1.198
46000.	-3.909	-3.576	-3.242	-2.913	200	-2.270	-1.932	-1.607	-1.277	7
48000•	-3.915	-3.582	-3.248	-2.933	-2.595	໙.	-1.937	-1.610	-1.280	7
50000	-3.921	-3.588	-3.254	-2.921	2 593	∾ :	-1.945	-1.614	-1.284	-
55000.	-3.935	-3.601	-3.268	-2.935	2 60	N	-1.954	-1.625	-1.294	7
.00009	-3.947	-3.614	-3.281	-2.947	-2.614	-2.281	-1.954	-1.629	-1.306	-1.198
65000.	-3.959	-3.626	-3.292	-2,959	-2.626	(A		-1.644	-1.311	7
*00002	-3.970	-3.636	-3,303	-2.970	-2 630	-2.303	-1.970	-1.645	•	-1.198
75000.	-3.980	-3.646	-3.313	-2.980	-2.645	-2,313	-1.980	-1.652	-1.325	٦.
000	-3.989	-3.656	-3.322	-2.989	-2-655	-2,322	8	-1.665	-1.331	-1.198
85000•	-3.998	-3.664	-3,331	-2.998	2.66	C/J	-1.998	-1.664	.33	O.
000	-4.006	-3.673	-3,339	0	-2.673	2.5	00.	-1.673	-1.343	7
95000.	-4.014	•	-3.347	•	68	2.34	. 0	-1.681	.35	6.1.
000	-4.021	-3.688	. 35	0.0	₽ Q	2+35	2.05	-1.633	.35	61.
200	-4.054	. 7	70	S	Ñ.	38	• 05	.72	-1.387	•
150000.	-4.083	-3.747	-3.413	-3.080	-2 747	-2.413	-2.080	-1.747	-1.413	-1 - 198

7.000	** ** ** ** ** ** ** ** ** **	-1, 357 -1, 357 -1, 369 -1, 369 -1, 360 -1, 407
000-9	**	-1,677 -1,684 -1,696 -1,702 -1,712 -1,740
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T DEX KALJG PE		75000 80000 85000 95000 100000 150000

-11.696 -11.729 -11.780 -11.795 -11.795 -11.800 -1.650 -1.675 -1.654 -1.685 -1.827 -1.827 -1.831 -1.833 -1.835 -1.841 -1.846 -1.846 -1.859 -1.866 -1.871 -1.875 -1.879 -1.882 -1.886 -1.896 -1.908 -1.913 -1.945 -1.961 -1.990 -2.016 -1.816 000 -1.934 -1.940 -1.821 -1.927 3 -1.935 -1.955 -1.977 -2.231 -2.246 -2.247 -2.254 -2.005 -2.047 -2.098 -2.100 -2.216 -2.277 -2.284 -2.291 -2.323 -1.964 5.000 -2=603 -2=615 655 682 000 -2 462 -2=464 -2.570 -2.593 -2.620 -2.770 -2.773 -2.777 -2.777 -2.778 -2.841 -2.836 -2.838 3 300 -2.713 -2.742 -2.752 -2.761 -2.805 -2.843 -2.853 -2.895 -2.915 -2.933 -2.989 -2.833 -2.873 -2,792 -2.795 -2.813 -2.822 -2.845 -2.872 -2.883 -2.905 -2.723 -2.871 -2.943 -3.108 -3.106 -3.109 -3.248 -3.248 -2.933 -2.933 -2.998 -3.040 -3.053 -3.064 -3.075 -3.115 -3.128 -3.137 -3.149 -3.207 -3.218 -3.266 000 -3.198 -3.105 -3,117 -3.094 -3.164 -3.192 -3.283 -3.290 -3.407 -3.419 -3.440 030 -3.426 -3.582 -3.608 -3.623 -3.656 -3.682 -3.528 -3.616 -3.397 -3.591 000 0 -3.592 -3.672 -3.678 -3.854 -3.858 -3.870 -3.883 -3.719 -3.729 -3.743 -3.745 -3.752 -3.753 -3.753 -3.767 -3.778 -3.795 -3.790 -3.791 -3.957 -3.941 -3.905 3,915 -3,933 -3.742 -3.794 -3.924 -3.949 -4.015 -4.067 -4.067 -4.062 -4.076 -4.095 -4.111 -4.125 -4.116 -4.238 -4.248 -4.258 -4.256 -4.275 000 -4.051 -4.068 ĩ -4.410 -4.422 -4.446 -4.441 -4.327 -4.327 -4.344 -4.360 -4.442 -4.447 -4.453 -4.549 -4.561 -4,433 -4,432 -4,436 -4.463 -4.474 -4.472 -4.479 -4.511 -4.517 -4.523 -4.457 -4.499 -4.582 -4.600 -4.623 -4.656 -4.682 -4.387 -4.384 -4.392 -4.489 -S 000 -4.388 -4.490 -4.616 -4.401 -4.591 4 7 111 PHOMIC SPECIES 1000 29000 30000 32000 34000 36000 40000 42000 44000 45000 50000 55000 60000 70000 83000 65000 85000 .00006 95000 46000

-1.562 -1.571 -1.578

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-1.426 -1.367 -1.392

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S

ATOMIC SPECIES

-1.611 -1.674 -1.691 -1.696 -1.701 -1.705 -1.709 -1.725 -1.727 -1.748 -1.752 -1.756 -1.795 -1.684 -1.686 -1.738 -1.723 -1.586 -1.614 -1.672 -1.685 -1.689 -1.686 -1.742 -1.764 -1.772 -1.780 -1.788 -1.807 -1.819 -1.824 -1.987 -1.994 -2.021 -2.032 -2.040 -2.076 -2.079 -1.863 -2.047 -2.127 -2.184 0000.9 -1.923 -1.989 -1.987 -1.989 -2.049 -2.040 -1.974 -2.007 -2.012 -2.017 -2.057 -2.052 -2.059 -2.065 -2.069 -2.073 -2.090 -2.102 -2.113 -2.121 -2.133 -2.139 -2.145 -2 - 155 -2.001 -2.107 -2.241 -2.292 -2.293 -2.320 -2.363 -2.406 5.000 -2,305 -2,376 -2.425 -2.288 -2.313 -2.335 -2.350 -2.361 -2.367 -2.359 -2,354 -2.356 -2,370 -2.382 -2,385 -2.389 -2.465 -2.485 -2.297 -2.402 -2.403 -2.448 -2.478 -2.440 -2.441 -2.461 -2.471 -2.421 -2.603 -2.602 -2.612 -2.649 -2.654 -2.733 -2.850 -2.630 -2.638 -2.645 -2.663 -2.678 -2.673 -2.678 -2.689 -2.693 -2.698 -2.701 -2.715 -2.621 -2.677 -2.671 -2.683 -2.716 -2.719 -2.728 -2.724 -2.750 -2.760 -2.774 -2.774 -2.779 -2.802 -2.810 -2.741 -2.817 -2.925 -2.995 -3.065 -3.183 -2.945 -3.035 -3.118 -2.913 -2.984 -2.974 -2.980 -2.985 -3.000 -3.007 -3.016 -3.032 -3.036 -2.954 -2.962 -2.967 -2.992 -3.043 -3.030 -3.042 -3.053 -3.066 -3.055 -3.093 -3.092 -3:135 -3.027 -3.047 -3.081 -3.100 -3.109 -3.127 -3.151 -3.258 -3.269 -3.278 -3.293 -3.358 -3.355 -3.360 000 -3.300 -3.391 -3.516 -3.285 -3.311 -3,313 -3.343 -3.348 -3.348 -3.353 -3.372 .3.383 -3,386 -3.408 -3.247 -3,302 -3.307 -3.322 -3.331 -3,384 -3.400 -3.412 -3.422 -3.432 -3.442 -3.452 -3.460 -3.469 -3.476 -3.484 -3.351 -3.620 -3.755 -3.601 -3.605 -3.634 -3.626 -3.669 -3.689 -3.849 000 -3.642 -3,653 -3,666 -3.665 -3.666 -3.669 -3.677 -3,705 -3.712 -3.729 -3.785 -3.619 -3.671 -3.584 -3.702 -3.722 -3.727 -3.732 -3.743 -3.766 -3.776 -3.794 -3.802 -3.810 -3.591 -3.817 -3.937 -3.959 -3.987 -4.022 -3.923 -3.928 -3.935 -3.945 -3,952 3.990 -3.995 -3.989 -3.984 -3.984 -3.996 -4.000 -4.030 -4.040 -4.050 -4.052 -4.135 -4.007 -4.014 -4.047 -4.043 -4.088 -4.099 -4.109 -4.113 -4.127 -4:183 -4.054 -4.077 -4.150 -4.378 -4.384 -4.397 -4.261 -4.319 -4.348 -1:000 -4:278 -4.319 -4.261 -4:270 -4. 284 -4.304 -4.310 -4.304 -4.305 -4.309 -4.314 -4.328 -4.343 -4.373 -4+369 -4.369 -4.373 -4.410 -4.432 -4.460 694.4--4.476 -4.516 -4.543 -4.261 -4.445 -4.452 -4.331 -4.341 -4.421 -4.484 -4.585 -4.585 -4.635 -2.000 -4.717 -4.849 -4.508 -4.673 -4.683 -4.603 -4.640 -4.020 -4.630 -4.635 -4.646 -4.654 -4.656 -4.668 -4.666 -4.693 -4.690 -4.693 -4.699 -4.705 -4.755 -4.766 -4.775 4.594 -4.641 -4.743 -4.785 -4.794 -4.651 -4.711 -4.802 4.817 -4.581 0. [1] DES KYLJG 36000. 38000. 40000. 21000. 25000. 28000. 50000. 15000. 19000 32000. 34000. 42000. 44000. 46000 48000. .00009 .00059 .00007 75000. 80000 85000. 95000. 3000 14000 .00091 17000. 8000 20000 23000. 26000 27000. 30000 .00006 125000.

ATOMIC SPECIES : N	9									
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32000	-4 824	-4.499	-4.155	.83	50	7	86	51	-2.211	-1.883
0	-4 831	-4.501	-4.172	-3.842	-3.512	-3.177		-2.525	-2.209	-1.896
36000	-4=841	-4.507	-4.180	4	51	7	8.7	.54	. 20	-1.909
38000	-4 852	-4.515	-	* 86	N	.19	87	.56	. 20	-1.906
40000	-4 848	-4.531	-4.189	-3.860	:O	-3.200	87	.56	-2.227	-1.906
42000	-4 851	-4.527	-	.86	54	Ň	87	.54	• 23	-1.908
44000	-4 857	-4.527	-4.203	-3.870	-3.541	ď	-2 882	-2.560	-2.253	-1.912
46000	-4.863	-4.531	-4.205	88	3.	ů	3	-2,561		-1.917
48000	-4=869	-4.536		-3.887	3.55	-3.223	-2=891	•	•	-1.925
50000	-4 875	-4.542	-4.210	83	3.55	ď	õ	56		-1.915
55000	-4 889	-4.556	-4.222	89	56	ď	ō	-2.579		-1.923
00009	-4 902	-4.568	-4.235	-3.902	27	ď	6		-2.260	٠
00059	-4-913	-4.580	-4.245	16	10	Š	93			-1.939
10000	-4=924	-4.591		-3.924	165.E-	-3.258	33	-2.599	•	-1.947
75000	-4-934	-4.601	-4.267	O,	-3.601	N	9.3		•	-1.953
80000	4 943	-4.610	-4.277	94	9	-3.277	-2 944	.61	Ň	-1.959
\sim	-4 952	61	•	-3.952	-3.619	3	95	-2.623	-2.292	-1.965
0	-4-960	-4.627	-4.294	• 96	.62	-3.294	-2,961	-2.629	-2.298	-1.971
\sim	-4-968	-4,635	-4.301	96•	•63	5	-2=968	-2.636	-2.304	-1.977
0		-4.642	• 30	-3.976	-3.642	-3.309	-2 976	-2.643	-2.314	-1.982
0		-4.674	-4.341	-4.008	-3.674	-3.341	0	-2.675	-2.345	-2.009
1200001	-5 034	-4.701	-4.353	-4.034	• 70	ry	03	.70	• 36	-2.036
N SECTED STOPE	~									
T DSG KZLOG PE	000 Z	000	000	030	2 000	000 m	000	5 000	9	2 000
00009	-5 035	-4 702	-4.359	-4.035	-3.702	-3,369	-3.042	-2 727	ന	-2.076
	-5 047	-4 714	-4.380		-3.714	٠	-3.056	12 722	m	ď
7000	-5 058	-4 724	-4.391	-4.058	• 72	• 39	-3.058	-2 747	4	2.0
75000	-5 068	-4 734	-4.401	-4.068	• 73	0	-3.068	12 752		0
0000E	-5 077	744	-4.410	-4.077	4		3.0	12 744	⋖_	2.1
85000	-5 086	-4_753		-4.086	• 75	3.41	0 M	12 753	4	2.
00006	-5 094	-4 761	4		~	3.42	9.0	15 761	4	٠. د
9500	-5 102	-4 769		4	3.76	3.43	3.1	12,769		2.1
0a0001	-5 109	-4 776	•	•	3.7	'n.	بر د ا	-2 776	4	2
125000	-in 142		٠		-3.808	~ :	9	808	-2 475	ė,
150w00	-5 168	-4 835	-4.501	-4.168	•	-3.501	-3.158	SE8 21	S	-

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40 00	16.926	18,925	*	*	*	*	**	*	***	<u>با</u>
50.00	7	15.159	7		1 - 1 4	*	*	*	**	* * *
60 00	7	12.610	4.5	ιΩ.	58	ଓ	2.52	. 45	*	***
70.00	10.037	11.197	8	`	•72	8.73	99.0	2.51	4.49	*
80 00	6	10.966	Δi.	4	31	7.28	9.56	1.20	3.10	4. 76
■ 00 06	906.6	10.907		12.979	14.354	•17	8	0	0	9
1 00 00	8	10.860		æ	95	ω Ω	7.23	9.17	1.08	2,97
11000	30	10.819	å	2 8	8	.97	6.53	8.41	0.33	(J
12000	>	10.781		~	•78	8	6.08	7.79	69.6	or .
13000	9.722	10.743	-	•	• 74	2	•86	7.34	9.14	4
14000	ŝ	10.687		12,714	•71		5.75	7.01	8.71	0.57
150.00	4	10.551	11.662	12.682	m	m	0	6.83	۳ ع	ċ
16000	5.	10.406	-	12.641	10	4 • 65	96	6.72	8.06	9.79
17000	Ľ,	10.340	11.415	12.558	O.E	.62	53	9.65		9.48
18000	'n	10.396	-	12.449	13,575	. 53	2.60		7.74	9.22
1 90 00	Ň	10.281	11.288	12,341	Ch.	2	9	6. 29	7.66	0.5
20000	Ŋ	10.257	11.260	12.280	13,389	• 52	55	6.56	7.61	86
21000=	S	10,233	1.2	12.245	13,300	in	5.52	÷	7.57	18.749
22000=		10.202	11.215	12.219	13,244	36	5.49	6.51	7.53	å
23000	0	10.152	11.191	12.198	13.209	• 28	.43	4	7.51	8.60
24000	0	10.082	11.160	C	m	22	37	9.49	7.48	8,55
25000	6	10.021	-	· •	13.163		9	6.43	7.46	8, 51
26000	6	5.982	11.051	12,126	13.143	10	15 • 232	6 • 33	7.44	ď
27000	8.951	9.957	10.995	12.086	13,123	14.134	15.181	6.33	~	8.45
28000	6	5.938	10.956	12,035	13.099	-	15.143	27	7.39	43
29000	9	.92	10.929	11.982	9	C)	15.115	9	7.35	18.410
30000	æ	6.903	10.910	11.940	13.030	\sim	Q	6.16	7.31	8.38
32000	7	85	10.877	11.887	12,939	OΙ	9	C)	7.22	34
34000	7	9.787	10.840	11.853	12,873	13,955		0	17,139	18.289
36000	7	.72	•	11.821	12,833	88	14.971	0	17.068	18,224
38000	9	5.683		11.779	12,803	82	14.909	16	17.016	18.152
40000	9	9.656	•	11,721	12.771	. 78	14 . 845	.93	16.977	18.083
42000	S	9.628	10.638	11.665	12.730	• 76	14.793	83	• 94	20
44000	8.538	9.588	10.612	11.626	12.679	13.730	14.755		16.909	17,975
46000	ທຸ	9.537	œ	11.598	12,629	•	14.726	77	.87	17.936
48000	4.	64.	10.543	11.574	12,592	13,651	٠	3	.83	17.902
50000	4	.46	10.498	11.545	12.564	<u> </u>	4	5.70	• 78	17.870
55000	ų,	39	.42	11.450	•	95	4.57	5.63	16.686	٠,
00009	8 • 305	.31	10,353	11,383	. 4 1	• 46	49	5.56	. 61	7.69
65000	ď	.27	ď	11.320	K)	33	4	5.48	6.55	7.61
70000	Š	Ŋ		11.253	12.296	13,327	.37	4	• 48	7.55
75000	Š	0	ď	11.211	3	. 27	31	• 37	• 42	7.49
80000	8.179	6.1.6	7	11.180	٦.	ė.	\$ 26	3	٠	7. 43
85000	7	.15	10.152	11.153	7	.17	-21	N OI	6.31	7,38
■00006	8.128	N		11.128	2.12		7	15.214	Q.	m:
■00056		• 10		11.104	۳.	0	.12	17	6 . 22	7.28
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125000	3	8.965	9.985	10,985	O (12,995	13,985	14.988	16.008	17.061
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21000	0.330	0=304	'n	0 293	0.238	0.083	0	-0 003	0	-0.212
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000	0.773	0 778		0 778	0.778	0.777	16	~	.68	0.615
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	000.9	* * * * *	***	***	• 92	52	58	4	• 24	-2.883	-3.428	-3.860	-4.231	14.509	-4.702	-4.828	-4.910	-4.965	-5.005	-5.037	-5.064	-5.087	-5.110	-5.133	-5.157	-5.185	-5.218	-5.256	ŭ	ů,	ů,	ຜ	ហំ	ŝ	-5.666	20100	10,140	-5.890	1 90 91	-6.023	6	-6.156	-6.209	-6.257	-6.305	-6.353	-6.396	-6.567	999.9-
	5.000	***	***	1.888	0.043	-1.358	-2.489	-3.403	-4.159	-4.778	-5.236	-5.558	-5.746	-5.849	-5.910	-5.952	15.984	-6.010	-6.035	-6.058	-6.083	-6.111	-6.146	-6.191	-6.245	-6.304	-6.361	-6.411	-6.484	-6.531	-6.558	-6.603	-6.642	-6.591	-6.745	161.01	10.039	040.01	7.0.0	460-7-	-7-154	-7.20.6	-7.262	-7.317	-7.352	7.40	• 44	ŝ	•
	4.000	**	***	-0.052	68.	-3.315	-4.441	-5.345	-6.041	-6.490	-6.715	-6.819	-6.874	-6.912	-6,942	696.9-	966.9-	-7.020	-7.049	-7.085	-7.138	-7.205	-7.279	-7.344	-7-395	-7.432	-7.461	-7.483	-7.520	-7.558	-7.605	-7.667	-7.731	-7.783	-7.820	1.850	24.007	2000-1-	0.70	-8-135	-8-193	-8.262	3.1	3.35	-8.407	-8.450	-8.484	-8. 590	-8.670
SITY	3.030	**	***	-2.012	.87	-5.292	-6.400	-7.132	• 60	-7.751	-7.816	-7.857	-7.890	-7.919	7.947	76.	8.03	-8.052	-8.121	-8.203	-8.231	-8,351	-8.391	-8.420	-8.442	-8.452	-8.480	-8.500	-8.549	-8.621	-8.636	-8.750	-8.786	-8.816	0.40.00 0.40.00	D (ית מפ	0 1 0 1		-9-184	0.01	-9.299	-9.354	0,4	4	45	-9.493	-9.591	-9.673
MASS OENSITY	2.000	* * * * * * * * * * * * * * * * * * * *	-1.436	-3.993	-5.855	-7.262	-8.222	-8.623	7	-8.790	-8.828	.86	-8.892	8.92	ထာ	Oυ .	ი	-9.187	-9.576	-9.332	-9.367	-9.392	-9.413	-9.432	-9.453	-9.416	-9.507	-9.546	-9.636	-9.702	-9.742	-9.773	-9.805	-9.846	-9.897	19.946	19.904	-10.075	7 0 0	110.000	-10.280	-10.342	-10.389	-10.421	-10.447	O	-10.494	•59	-10.670
Lwg OF OHS	1.000	*	-3.425	-5.984	-7.841	-9.113	-9.597	-9.705	-9.755	-9.795	-9.830	-9.862	-9.894	-9.934	-10.007	-10.127	-16.235	-10.296	-10.331	-10.355	-10.378	-10.399	-10.421	-10.450	-10.490	-10.541	-10.594	-10.636	-10,689	-10.723	-10.755	-10.797	-10.855	-10.911	-10.950	976.01-	-11.002	-111-125		-11.256		-11.365			-11:448	-11.472	-11.494	-11.591	-11.670
ر	0000	***	-5.419	-7.979	692.6-	-10.532	-10.662	0	-10.757	-10.795	-10.830		-10.914					316	-11,339	-11,361					-11.581	-11.620	-11.646						-11.908	-11.938	-11.964	-11.993	-12.033	10.15	110000	-12-295	-12.337	-12,369	-12.397	-12,423	-12.448	4	-12.494	-12.591	-12.670
	0 0 •	-3.651	-7.417	-9.965	-11.379	-11.609	-11.669	-11.716	-111.757	-11,795	-11,832	-11.889	-12.024	-12,170	-12,236	-12.269	-12,295		-12,342	_	-12,424	-12.493	-12,555	-12.594	-12.619	-12.638	-12.655	-12.672	-12,716	-12.789	-12,855	-12.893	-12.920		2.988	3,039	13.031	13.180	•	13.306	13,339	1 17	-13.397	-13.423	-13.448	4.7	-13.494	-13.591	13.6
	2 000	-5.649	4	-11.862	-12.539	-12,618	9	<u>, </u>		-12.797	-12.854	-13.010	-13,158	-13.215	N	-13.272	N	'n	-13,368	4	ιŭ	S	ທີ	9	13.6	.643	3.664	13.693	.777	13.839	13.872	13.900	3,933	13.9	0.4	14.0) ·	14.000	, ,	E 471	14.3	14.3	14.3	4		14.4	-14.494	-14.591	14.6
	0EG ≺/LOG PE	40 00	္က	8	000	80.00	■ 00:06	0	0	N	30	6	15000	6	17000	18000	1 80 00	2000€	21000	22000	23000	24000	2000a	26000	27000	28000	29000	30000	32000	34000	36000	33000■	4000	42000	4400	46000	800	50000		0000	0000	2000	00008	8500	00006	0 c o a 6	10000	Ò	2000

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2004	917.0		6.71	6.71	6.71	**	***	***	**	* * * * * *
) C	A . B 07	6.728		6.715	6.716	ŷ	6.716	. 7.1	***	* * * * * *
2000	7.006	693	-	.72	6.717	•		.71	.71	**
0	7.016	.01			6.734	•	6.715	• 71	• 71	7.
0000	7.017	.01	0	96.	6.848	٠	7	.71	.71	7.1
0000	7.017	10.	0	7.012	6.972	6.829	`		5.71	7
1000	7.017	10.	0.	•	7.007	•	6.192		6.71	7
2000	7.018	.01	7.017	.01	7.014	966.9	•		2.9	
30.00	7.029	0	.01	7.017	7.016	•	6.962	6.813	6.73	١, ١٠
4000	7.097	• 0 3	• 01		7.016	•	۰ م	αj i	6.75	72
20.00	7.170	0	.02	.01	7.017		9	Un i	6.79	7 6
00 09	7.189	7	0	•	7.017	•	9 1	Ch (6.85	5.743
70 00	7.192		.13	•	7.020	٠	0,	ທີ່ເ •	06.0	00.00
8000	7.193	7	.17	•	7.032	٠	9	•	5 c	3 5
3000E	7.194		. 18		7.062	•	•	•	26.9	D 0
0000	7.197	7.	-		7.110		•	o .: .*	20.00	à
1000	7.213	7	-4	•	7.152	•	•	•	66.9	
2000	7.250	Ŋ	7	٠	7.175	٠	•	D :	7.00	3
3000	7.288			•	7.185	٠	•	G.	0.	•
4000	7.308	7.259	CVI	•	7.189		•	0.4	7.00	6.971
5000	7,315	1.5291	C)	•	7.192	•	7	•	100	20 0
00.09	7.317	7.307	Q ·	•	7.193	•	~	•	1.007	9 6
7000	7,318	7.314		•	7.196		7		7.01	9
0008	7.320	7.316	٠	. •	7.201		~ .	ວ. •	1.00	2
0006	7.324	7.318	7.311	7.272	7.211	•	; -	7 130	• 6	7.000
0000	7.335	7.320	٠	•	0770	•	;	•	0.0	2000
NO 00	7.378	7.332	•	٠	1.272	•		•	00.	0.10
4000	7.406	7.367		•	1.501	747.	• • •	•	7	7.000
0009	7.413	•	٠	•	7.318	•	4 0			0 0
8000	0.4.7		•	•	7.306	• .	27		7.17	0
0000	0.4400	•		• •	7.340	• •	2	4	7.18	N
0000	7.430	044.6	•	• •	7.364	7.324	0	ı N	7.19	41.
0000	7.490				7.388		.31	Ġ	7.20	7.160
8000	7.496		•	•	7.402		•32	.₩	7.22	17
0000	7.505		•		7.410		332	.m	7.2	18
2000	7.549		•	45	7.428	•	• 36	P)	7.28	₩
6000	7.560			4	7.467	•	.40	m •	7.30	7.245
3000	7.561		555	.51	•	•	.41	m.	7.32	7.277
0000	7.561	•	55	ູນ	7.511	•	44.	7.407	7.3	8
M000	7.561		•56	55	•		. 47	4	7.38	32
0000	7.561	ŝ	.56	• 55	7.554	•	64.	⋖	7.40	7,343
2000	7.561	٠	٠	٠	555	٠	.50	4	7.42	36
0000	7.561	7,561	N.	S	ŝ		7.526	4	7.4	38
8000	7.561	•	ល	ស្វ	ů.	٠	40.	o i	0 1	4 4
0009	7.561	7,561	7.561	ů:	ທີ່ຄ	•	ທີ່ກ	ທີ່ປ	• 4 A	4 4
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0000	6	5	1.9	1.8	1.46	0.64	.68		.82	7.125
10000	6	1.91	1.91	90	1.82	39	5.4	.50	•68	• 79
11000	11.915	.91	11.914		1.89	1.75		0.31	4.6	.50
12000	11.919	1.91	1.91	.91	1.61	1.87	~	Ø	00	10
13000	.97	92		1,91	1601	1.90	1.8	.32	0.51	9.61
14000	. 22	86.	.92	1.91	6	~	1.87	51	6	0.05
15000	.41		697	• 92	1.91	1.91	1.89	• 76	1 . 25	0.44
160.00	12.460	ņ	.13	.95	1.91	1601	90	8.	1.50	0.78
17000	46	12.452	2.33	2.05	1.93	1.91	1.91	1.87	19.	1.06
18000	12.469	12.465	m,	12,240	~ (92	6.0	68	7 + 1	1.29
19000	4.	.46	45	2.37	2.11	1.94	6 ·	06.1	1.003	1 + 4
20000	4	.47	12.465	43	2.26	2.33	6.1	1.90	1.86	1.60
Z1000	12,532	4	4	2.45	2.0	2.10	6.0	. 6	1.88	٠
22000	12.636	00.	.47	2.46	2.42	2.23	6	N (9 0	<u>.</u>
23000	12.731	5.56	• 48	2.46	4	2.33	, N	1.93	06.1	•
24000	12.775	•66	.51	2.47	•46	2 • 40	2.1	1.95	1.90	-
2000	·10	• 73	ស្វ	• 48	•46	2.43	તું અ	66	6	.
260 00	· On	•77	• 65	ŝ	4	2 • 45	2.3	2.05	1.92	1.87
Z 70 00	5/2	•78		55	47	2:46	2.3	2.13	1.94	1.68
28000	12.802	.79	97.	. 52	64.	2.46	4	2.21	76.	1.89
29006Z	8	•	12.782	69.	12.529	2.47	2.4		O (
0000g	12.845	.80	مزا	.74	.57	2.48	2.4	46.	90	1.92
32000	12.957		12.800	12.732	12.694	2.52	o.	4	8 (1.95
34000	13.020	12.930	82	2.79	•76	2.61	4 . 4 .	4	9 1	2.01
36000	173	13.005	.89	20	.78	2,73	2 .	949	2.37	2.
38000	उ	13.031	~	. 84	7	2.15	o.	• 4 8	4	
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44300		13,102	0	• 01	92	2.81	2 . 7	• 64	4 6	χ, γ,
₩60.00	ST.	13.172	'n.	0	76.	2.85	200	9 1	9	12,413
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150000	.41	13.417	13.417	13.417	. 41	• 41	13.417	13.416	13.409	13,373

LOG OF THE LONIZATION AND EXCITATION ENERGY PER GRAM

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26000	•	6	3.499	3.001	2.515	2.367	•	4	. •	1.131
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15000	0.981	0.981	Ġ.	98	5	0.981	98	0.981	0.981	0.981
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2800	1.046	4	0	•	•	4	4	40.	40	1.043
2900	1.053	40	•	O	•	40	0		40	1.047
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3200	•	• 0.7	•	0	•	90	o	• 00	• 00	1.060
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0008	0.758	.75	1		.75	• 75	• 75	-	• 75	75
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10000	0.762	•76	7.	-	• 76	• 75	• 76	92	• 76	~
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12000	0.765	• 76	•76	92	• 76	• 75	• 76	9.	• 76	0.765
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44000	0.883	8	8	80	.86	.85	.86	86	.86	0.863
46000	0.919	8	•	8	.87	.87	Ø	87	.87	0.873
48000	0.979	6	68	Ø	00	88	88	ထ	88	0.883
50000	1.077	96	.91	Ġ,	8	.83	68.	6	68	0.893
55000	1.475	.18	0.5	Q)	93	92	.91	6	6	816.0
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0	000	'	-0.001	=	0	-0.524	-1.373	-2.313	-3.229	-4.116
100	000	. 1	့		7	-0.158	-0.716	-1.598	-2.515	-3.411
00	000	'	-0.000	-0.000	-0.005	4+0-0-	-0.305	-1.017	-1.912	-2.814
13000	10 026	,	000.0-	-0.000	-0.001	-0.013	-0.114	-0.594	-1.402	-2.301
0	10 226	•	-0.003	-0.000	-0.001	-0.008	-0.043	-0.304	-1002	-1.856
15000	018 01	-0.192	-0.023	-0.002	000.0-	-0.002	-0.013	-0.146	099 0-	-1.469
16000	1 555	j	-0.130	-0.015	-0.002	-0.001	-0.003	-0.071	0 410	-1.135
O	12 252	'	-0.444	-0.071	-0.008	-0001	+00.00	-0.036	0 – 0 – 44 – 0 –	-0.852
18000	-2 879	1	-0.935	-0.246	-0.032	-0.034	-0.003	-0.019	-0-143	-0.621
19000	68 t a 1	'	-1.463	-0.581	-0.108	-0.012	-0.003	-0.511	-0 085	-0.440
20000	046 · E	3	-1.963	-1.006	-0.283	-0.338	-0.005	-0.007	-0 052	-0.307
-	-4.405	ł	-2.420	-1.441	-0.565	-0.133	-0.012	9000-0-	-0 033	-0.212
22000	-4.897	′	-2.834	-1.852	-0.908	-0.234	-0.031	900.0-	-0 022	-0.147
30	-5.488	.1	-3.206	-2.230	-1.262	-0.433	-0.071	-0.010	-0 016	-0.103
24000	-6.112	1	-3.547	-2.574	-1.603	269.0-	-0.147	-0.019	-0 012	-0.073
50	-6.700	1	-3.879	-2.886	-1.920	-0.976	-0.273	-0.337	-0 012	-0.053
9	-7.235	,	-4.243	-3,171	-2.211	-1.255	43	-0.071	-0 013	-0.040
27000	-7.726	-6.183	-4.664	-3.446	-2.476	-1.521	-0.637	-0.128	-0 019	-0.031
80	-8 180	ì	-5.105	-3,733	-2,718	-1.759	-0.851	-0.212	020 0-	-0.026
90	-8.610	1	-5.537	-4.065	-2.946	-1.998	-1.067	-0.324	040	-0.023
0	-9.035	ı	-5.944	-4.425	-3.172	-2.207	-1.275	-0.450	620 0-	-0.023
32000	a60 01 -	1	-6.683	-5.148	-3.690	-2.584	-1.657	-0.770	-0 181	-0.033
40	-11.369	-9.112	-7.352	-5.808	-4.286	-2.954	-1.985	-1.084	-0 345	-0.059
36000	-12,619	7	-8.058	-6.406	-4.869	-3,399	-2.280	-1,373	-0 553	-0.110
38000	-13.782	-11.291	-8.920	-6.977	-5.408	-3,884	-2.591	-1.630	-0 776	-0.192
8	-14.885	7	-9.870	-7.643	-5.910	-4.350	-2.935	-1.857	-0.993	-0.305
42000	-16.039		-10.808	-8.410	-6.409	-4.806	-3.312	-2.101	-1.194	-0.439
4 4000	-17,331		-11.695	-9.219	-6.984	-5.237	-3.703	-2,355	-1,380	-0.584
900	-18.669	-15.377	-12.549	-10.015	-7.629	-5.649	-4.075	-2.635	1.56	-0.729
80	-19.970		-13,423	-10.774	-8.307	-6.121	-4.433	-2.947	-1.752	-0.871
8	-2 •2Hp		-14.370		-8.980	-6.643	-4.780	-3.251		-1.008
20	-24.551	7	-16.860	-13.498	-10.589	-8.034	-5.764	-3.995	2.49	-1.343
00009	-27.855	1	-19.265	-15.629	-12.281	668.6-	-6.892	-4.757	-3.086	-1.717
50	-30-749	1.2	-21 •825	*	-14.082	0.80	-8.023	-5.600	-3.680	-2.147
8	-33,263	ł		-19.874	-15.830	5	-9.147	-6.519	-4.311	-2.504
75000	-35.467) iii	-26.471	-21.992	-17.660	'n	-10.360	-7.432	866.4-	-2.971
800008	-37.418	ij	-28,419	-23,925	-19.473	-15,277	53	-8.372	-5.707	-3.461
50	-39.158	-34.65	-30:159	-25.662	-21,176	ģ	-12,792	-9.347	6.43	m
₹00,006	-40.722	-36.22	-	7.22	2.73	8.25	4	0.35	7	-4.534
00056	-42.137	-37.	-33.138	å	4.14	•	ď.	11.31	4	ŝ
O.	3.4	38.92	-34.425	-29.926	25.42	20.02	16.48	2.30	4	
125000		m	-39.462	4 1	30.4	25.95		16.98	5 5	-8.659
150000,	-51.995	-47.495	-42.995	-38.496	-33.997	-29.494	-24.992	-20.490	-16.006	-11.613

ATOMIC SPECIES : 0 3

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4000	-39.814	-41.812	***	***	*	***	***	***	***	***
2000		-29.035	-31.032	-33 026	-35.011	***	**	***	***	***
0009	សូរ	-20.458	-22.444	-24 438	-26.426	-28.400	30 - 34	-32.247	***	***
7000	-13.564	-14.723	-16,333	-18=260	120.244	-22.222	-24-185	-26.095	-27.916	**************************************
8000	9 6	18.646	FE64.0-	-13=737	-12,001	-13,939	-15.860	-17.791	10.655	-21.207
10000 s	ຸດ	F6.565	-7.566	-8-575	-9.657	-11:084	-12.923	-14.848	-16.726	-18,560
0	-3.856	-4.856	-5.856	-6 858	-7.873	-9.009	-10.562	-12.428	-14.317	-16.160
20	-2.428	-3,426	-4.426	-5∎426	-6.429	-7.455	-8.721	-10.421	-12.290	-14.144
13000	-1.237	-2.214	-3.211	4=211	-5.211	-6.221	-7.317	-8.785	-10.569	-12.425
1 40 00	-0 392	-1.194	-2.168	-3.16p	-4.165	-5.157	-6.201	-7.452	-9.128	-10.942
1 5000	-0 072		-1.279	-2.25	-3.255	14.255	-5.267	-6.387	-7.881	-9.652
16000	10.012	-0.109	-0.587	-1 472	-2.458	-3.456	-4.459	-5.513	-6.834	-8,525
17000	10.002	420.01	10.194	0 850	00/-	24.748	13.748	-4.772	15.903	17.040
18000	1000	000.01	400.01	10 304	24 T = C	11.561	044.61	14.17.0	004.40	10.00Z
10000c	0.00	0000	5000	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	0000	-1.075	12.039	1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		15,205
21000	-0.065	-0.007	-0.002	-0-016	-0-138	-0.674	-1.581	12.059	-3.583	-4.738
=000000	-0.235	-0.030		900-0-	-0.057	-0.380	-1.174	-2.145	-3.148	-4.251
23000	-0.581	-0.108		000	-0.025	-0.197	-0.825	-1.759	-2,753	-3.819
24000	-1.036	-0.298		900	-0.011	-0.097	-0.543	-1.410	-2-302	-3.433
25000	-1.512	-0.618		510-0-	T.00.0-	640.0-	-0.335	-1.097	2 061	-3.084
26000	5	-1.010	-0.284	0.00	-0.007	-0.025	-0.197	-0.825	-1.757	-2.765
27000	-2 405	-1.416	-0.545	260 0-	-0.012	-0.014	-0.114	-0.596	-1-477	-2.472
28000	-2,810	-1.810	-0.867	-0 214	-0.028	-0.010	-0.066	-0.415	-1 • 2Z m	-2.201
29000	-3 202	-2.186	-1.209	-0 401	-0.062	-0.011	-0.040	-0.280	406.0-	-1.951
30000	-3 599	-2.545	-1.548	-0.647	-0.129	-0.017	-0.025	-0.185	-0.791	-1.718
32000	4.532	-3.227	-2.187	60N • I -	-0.402	-0.053	-0.016	-0.082	0 (0 (0 (-1.305
34000	-5.639	4000	-2.780	-1.763	-0.826	761.0-	0.029	0.040	707 0	-0.955
30000	700.0	0.00	- AC	002.0	76764	10000		70.0	0 0 0	170.01
38000	17.021	13.061		707 - 71 FFE 71	141-01	10.00	10.190	0.00 m	0.00	10.433
000004		-7.308	,	3.959	-2.589	-1.547	-0.648	-0.133	-0 044	-0.200
44000	-10.044	-7.985	1	-4.602	-3.051	-1.897	626.0-	-0.252	-0 052	-0.136
46000	-11.069	-8.739		-5.202	-3.562	-2.242	-1.232	-0.422	-0 079	-0.097
48000	-12.077	-9.613	-7.484	-5.749	-4.088	-2.639	-1.517	-0.626	-0 131	-0.077
20000	-13.068	-10.514	-8.160	-6.266	-4.591	-3.008	-1.793	-0.847	*	-0.072
50	-15.780	-12.687	-10.080	-7.684	-5.733	-4.054	-2.530	-1.402	-0 542	-0.120
00	-18.570	-15,132	-11.977	-9.327	-6.946	-5.020	-3.360	-1.960	-0 947	-0.270
65000	-21.022	-17.529	-14.097	-10.961	-8.332	-6.014	-4.163	-2.579	-1 364	-0.512
8	-23.152	-15.653	-16.164	N	9.71	-7,154	-4.969	-3.235	-1 802	-0. 795
500	-25.018	-21.518	-18.020	-14.540	-11.205	-8.311	-5.859	13.882	2 283	-1.092
000	-26.667	-23,168	-19.668	-16.173	-12.719	000.6	-6.807	4.540	783	11001-
200	-28.138	-24.639	~ (-17.641	-14.154	-10.767	-7.761	-5.275	00 0 C	-1.765
000	-29.459	N (422	-18.961	15.405	-12.005		8 t 0 · ·	n e	-2,138
500	တ္၊	O) (23.65	•	10	3.17	-9.778	M 6	et (20
000	· :	N ·	4 (7.10	- (4 1 4 1	2 !	2	3	626.921
125000	135.980	-32.480	-23.981	-25.481	-21.982	118.433	-14.976	-11-496	10.00	-5.173
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TOMIC SPERIES : (4									
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50.00	-71.535	-74.533	-77.529	000 0H-	-80.000	***	**	***	***	***
0	-53.631	-56.52	-59.513	S	-65.493	-68.453	1.39	•	* * * * * * * * *	* * * * * * * * * * * * * * * * * * * *
70.00	-41.873	-44.03	•	6	-52.551	5.52	-58.482		• 14	*
8000	-33.454	-35.4	-37.540	0	2.80	h	-48.729	51.63	•	56.
■ 0006	-26,895	-28.8	-30:902	α١	5.3	ω.	-41.101	0.	85	40
1 €0 00 ■	-21.627	-23.6		-27 636	9.71	2 14	34.97	37.	40.74	6 4
11000	-17.301	-19,30	-21.301	-23 302	9.3		י ניח	32.85	35	38.51
12000	-13.684	1	-17.682	-19 681	o.	123 720	-25.972	∞ ≀	S	3
1 3000	-10.635	12	•	-16 608	8.60		-22.713	17	-27.936	500 74
14000	-8.192	0 ° 0	-11.968	-13.965	n r		766.61-	142.22	J. C	, i
15000	16.482	1	069.6-	-11 008	ή.		-11.00/3	19.7 888 10.4 VI	0.0	2 4
1 60 00	15.203		7/10/	000 V	11.040	ก ผ	13.855	-15.874	> α	
	011.K-1	, 9	o u	6 511	00		25.	-14.255	6.36	18
	0.00	000	752.4-	15 414	Ġ	-8 842	-10.828	-12.826	4.87	17.
00000	-1.514	Q.	•	-4 546	ı In	-7.575	53	-11.530	-13.551	-15,756
21000	-0.857	,	-2.794	-3 807	4	-6.465	-8.370	-10.354	•	-14.492
22000	-0.379	-1.1	-2.148	-3 151		42 n a -	-7,316	es Cl	-11.279	-13.360
23000	-0.132	ŧ	-1.564	-2 55p	incin R	-4.747	-6.374	-8.305	-13.292	3
24000	-0.042	į	-1.047	-2 011		-4.102	. 54	-7.411	-9.386	-11.409
25000	-0.014	1	-0.621	-1 315	-2.508	3 5 49	-4,835	-6.595	-8.551	23
26000	-0.005	,	-0.319	m IC O	-2.041	6±0=£=		-5.855	-7.781	-9.773
27000	-0.004	ı	-0.146	869 0-	-1.613	2 614	17)	-5.192	-7.068	-9.048
28000	600.0-	1	0	0 T O	-2224	-2 206	-3.260	-4.607	6.409	18.374
29000	-0.026	ι .	-0.028	0.740	o (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00 00 00 00 00	14.00 th	2000	1. 140
30000	970-0-	ŧ	-0.013	4 (260.01	→ (704.7	04040	10.640	7. 10G
32000	969.0-	0000	600.0	ָבֶּילָ בְּיִבְּילָ	* E C C C C C C C C C C C C C C C C C C	0000	1.032	0.60.01	1 0 0 0 N	001.01
34000 F	-1.012	1	0000	0 0		7 N	1/2° 1-	17.71	,	10.381
1 CO CO	0000-7-	1 1	00 4 : 0 1) a	200		454-0-	202-1-	25.338	-3.701
000004	926.61	· ;		N	, ,	8 8 0 I	-0.231	-0.935	-1.888	-3,127
42000	3.663	,	-1.449	ຸດ່	-0 105	450	-0-112	-0.591	-1.496	-2.641
44000	-4.535	1	-1,933	0	-0 261	040	-0.057	-0.361	-1.153	-2.226
46000	-5.477		•		-0_519	_0_032	-0.035	-0.209	-0.858	-1.866
48000	-6.382	,	2.9	-1 796	-0 841	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-0.038	-0.120	-0.614	-1.548
20000	-7.233		-3.536	Z Z Z	CMT - 1 - C		-0.005	0.01	0 · 6	10.7.0
00000	0.04.6	i) (100) i	0 0		0 100	9 4 5
00000	-11.665	١.	20.00	4000	000	0 r	10101	V 0 0 0		10000
20000	13.008) · []	120.8-	7 6 6 6	1	n k	1000.1-	800.01	1000	20110
2000	1004.41	1	004	990.01		4	706.5	-1-37B	2000	81.01
	17.865	1	10.00.01	-10-338		i /0 ir 6 6 1	l M	•	-0.802	-0-199
	18.084	` ï	-13.979	-11.468	80	10 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	4 - 27		-1.162	-0.352
00006	-19,988	-17.487	-14.985	47	0046	IC	• 05		-1.558	-0.562
■ 00056	-20.895	ī	-15.894	-13.390	-10 8⊡9	-8 354	-5.870	-3.714	-1.993	-0.809
1 00000	-21.720	1	-16.719	210	7.0	.~4	9	• 34	• 46	-1.084
2500	-24.938	-22.4	-19.939	110 438	ō.	2	6	'n	æ	٠
150000	-27.186	-24.686	-22.187	-19.687	-17.187	-14 536	-12.182	-9.653	-7.130	-4.634

ATOMIC SPECIES : 0 5

0 0 • a	180.000	8	7		53	4	44 432	37.72	34.9	32.42	m	58	1 m 0 9 • 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-28.07°	21	-20.321	0,1	16.86	4	-13.197	10.36	21	-8.195	-7.296	o i	0	-3.705	-2.641		56	8	00	27	16	7	-0.148	87	0	10 mm
000*9	-80.000	76.65	67.99	-54.58	-49.32	-44.75	140.80	-34,37	-31.64	-29,23	-27.06	-25.08	1	-20.08	-18.66	-17,35	-16.1	1 11	-12	-10.522	n 00	ı	9	in I	47 (י נ	ואי	-	0	-0.39	-0.18	0.10	0.11	20	0.36	59	12	50	
5.330	0.0	72.83	64.		-45.678	-41.293	-37.536	131.239	-28.501	-26.222	-24.053	-22.096	-18.546	-17.132	-15.746	-14.483	37	-11.362	-9.719	-8.339	5.6.5.	-5.002	-4.158	-3.445	12.845	1 K . G	-1.364	-0.480	-0.178	-0.080	-0.101	•	0	.82	. 20	-1.622	.72	. 12	1,4 18 18 4 17
0000	-80.000) N	30	37	-42.439		# # m I		-25 605	-23 23Z	-21.081	-19:131	115-784	-14.374	-13 123	-12.005	10.993	-9.206	-7.658	-6.302	-4-133	a 2 m	-2.680	-2.140	4 P- 0 • 1	C02.	-0.307	-0.086	0		4	0	4	~_	ß	-	m	-6.547	8
3 000	-80.300	Ŧ	ï	įį	1	ï	1	ïï		-20.270	-18-177		-13.340		-10.953	-9.938	98.039	-7.201	-5.707	14.47.2 0.00	12.230	-2.132	-1.533	-1.124	-0.731	10.431	-0.050	-0.377	-0.320	-0.306	-1,399	-2.)72	-2.330	-3.537	4 . 26	-4.352	-6.354	-	
2.000	-80.000	1.6	3.6	-41.277	5.4	32.1	28.4	-22.276	,	-17.517	-15.642	-14.017	-11.255	-10.049	-8.936	-7.906	-6.958	-5,313	-4.047	-3.103	-1.697	. 1.3	19.	-0.346	0.15	20.0		.43	60	1.8	2.73	• 70		.33	-5.948		-8.367	9	
<i>o</i>		ຸທຸ	9	3 0	4	29.•1	25 .4	70.01	17.1	1 a 5	u v	6. 11	0 0	8	Q	0	÷ :	α	ထ္	N -	į	5	7	ဝ့	Ç	្វុ	2 4	Ņ		L)	'n	ເດ	-6.3 6	6	ŝ	8.0		-11-117	
-	0 0) i		1 1		1	1	1 ,	1	- 1	1	ı	ŧ																										
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21000	-3.230	-2.902	-2.569	-2.238	-1.918	-1.582	•	7	-0.754	-0.402
22000	-3.251	-2.910	-2.576	-2.243	-1.916		•	-	-0.754	-0.402
23000	3.2	-2.920	-2.582	-2.249	-1.919	•	•	-1.136	-0.754	-0.405
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29000	-3.260	-2.931	-2.598	-2.232	196-1-	1.001	-1.287	-1-106	-0.754	10.402
30000		-2.935	-2.603	-2.269	-1.960	-1.521	-1.293	CIT	-0.754	ó
32000	-3.279	-2.960	-2.611	-2.279	-1.963	-1.632	-1.298	-1.136	~	-0.595
34000	3.2	-2.959	-2.630	-2.287	-1,961	-1.653	-1.306	-1.136	D	-0.595
36000■	3.5	-2.949	-2.641	-2.292	-1.962	-1.645	-1,317	.13	~	å
38000	-3.290	-2.957	-2.623	-2,321	-1.969	-1.544	11,313	2	0.75	-0.595
4.0000	962.51	10000	7.007	12. C.	-1.972	1 .0 .4	11,31	^	0 0	္ရွိ င
44000	662.61	175.07	-2-644	12,311	12001	000-11	1.333			10.595
4 6000	יו נו	-2.973	-2.650	-2,318	-1.984	-1.632	-1.335	0	-0.754	6
48000	-3,312	-2.980	-2.653	-2.323	-1.991	-1.680	-1.343	Δ	-0.754	-0.595
20000	-3.315	-2.985	-2.652	-2,328	-1.996	-1.673	-1,354	• 10.6	-0.754	-0.595
55000	-3.323	600.5-	-2.665	-2.333	-2.008	-1.577	-1.362	•106	-0.754	္ပံု
00009	ຕຼ່	13.003	-2.686	-2.344	-2.0.12	-1.638	-1.355	9	-0.888	ė,
65000 50000	and t	13.014	-2.681	12,365	72.022	CF9*1-	-1:367	, م	-0.888	o e
20000	1.4.5.5.00 1.4.5.00 1.4.5.00	13.025	260.2-	14.558 10.258	17.04.04.0	-1.730	-1.3/2	-1.106	00000000000000000000000000000000000000	-0.59 0.00
000008	1 17	-3.044	-2.711	-2.378	-2.044	-1.6711	-1.385	10	8	. 6
85000	, LJ	-3.053	-2.720	-2.386	-2.053	-1.723	-1.407	0	88	0.59
■00006	L)	3.061	-2:728	-2,395	-2.061	-1.728	-1.395	10	0.88	59
00056	-3.403	-3.069	-2:736	-2.403	-2.069		-1.403	1.19	88	-0.595
000004	4	-3.077	-2.743	2.4	-	-1.743	-1.410	-1.198	0.88	-0.595
\$2 5000	4	-3.109	-2.176	4	Q ·	-1.776	-1.442	-1.198	æ	. 59
000064	4	-3.135	-2.802	-2.469	-2.135	-1,802	-1.469	11,198	88	-0.595

COG OF THE DEPRESSION OF THE CONTINUEM

ATWM C SPECIES : 0	01									
T DEG K/LOG PE	2 000	0 0 1	000 • 0	000	0 0 0	3 230	4	o co til	0 0 0 9	7.000
40.00	62	-3.292	**	**	***	*	* * *	* * * *	* * * *	*
0000	Ŋ	-3.324	٠ 9	•	2.32	-45	***	***	*	*
8	6.8	-3,350	ှ	ď	33	ď	-1.681	-1.350	*	***
1000 P	7.1	-3.400	(ب	ò	2.37	o,	-1.705	-1.373	1:10	*
80 00	72	-3,394	-3.072	ល់ រ	m .	ล้ เ	-1.725	-1.392	-1.106	1.004
0006	<₹	-3.409	rn,	ผ่	ณ์ ⊹	ณ์ (-	6000	01.	
10000 €	-3=758	-3.424	13.091	OI (12.424	10.00	-1.75/	024.1		1.004
11000	3 77	13.438	יו כיי	ง๋ เ	Ñ C	v c	707	11.404	901-11	1 000
12000	-3 784	-3.451	بري	ง้ เ	N C	v c	1000	1 to 1 to 1 to 1		1 . 004
13000	13 790	13.462	ו ניי	o c	Ñ.	101.01	06/411	11.472	01.1	11.004
1 40 00	-3 786	13.40	יו ניי	v c	ų c	ų c	000) id	•	400-1-
1 5000	-3 798	10.404	יו (ה	ů c	v c	ů n	V C G	1.500	801-11	40001
16000	800	13.478	1.51	10.00	7004	401.01	11.027	-1.507	1.193	1.004
0000	108 51		יו נ	น็ก		1 0	248.1		-1.198	-1.004
0000	010	004.6) [7	1 6	,	ić	-1.850	-1.519	-1.198	-1.004
	13 0 2 1	13.497	-3.165	ຸ່	N	-2.184	-1.857	-1.526	-1.200	-1.004
	1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	400 E	-3.171	٥	N	ีเล	-1.863	-1.532	-1.204	-1.004
		13.512	-3.178	N	N	ึ่ง	-1.866	-1.538	-1.209	-1.004
) 4	-3.522	-3.184	•	-2.521	-2.190	-1.868	-1.544	-1,214	-1.004
000040	4	3.529	-3.191	ึ่ง	N	Ň	-1.369	-1.548	-1.219	-1.004
000000	. 4	-3.522	-3.201	O,	N	V	-1.877	-1.551	-1.224	-1.004
26000	S	-3.522	-3.208	-2.870	-2.536	-2.235	-1.874	-1.553	-1.229	-1.004
27000	n	-3.525	-3.202	-2.878	-2.541	-2.239	-1.887	-1.556	-1,233	-1.004
28000	Ô	-3.529	-3.201	-2.890	-2.547	-2.214	-1.887	-1.559	-1.236	-1.004
29000	~	-3.534	-3.203	å	αĪ	å	-1.889	-1.559	-1.240	-1.004
00000	0	-3.540	-3.206	ณ์	ณ์	ณ์ เ	-1.892	-1.551	-1.242	-1.004
32000	30	-3.562	-3.216	ณ้	Ň.	ณ้	-1.900	-1.568	-1.246	-1.004
34000	-3_876	-3.561	-3.232	ď	Ň.	ณ์ :	-1.909	-1.579	_	-1.004
36000■	-3=884	-3.551	-3.243	ณ์.	Q.	ດໍ່	-1.919	-1.585	-	-1.004
38000	3∎89	-3.559	-3.237	ณ์ เ	ด้ (ณ่เ	-1.915	7.695		11.004
2	O (0 (0) (0) (0) (0) (0) (0) (0) (0) (0) (0)	13.556	13.524	10.00 0.00 0.00	786.21	10000	VIV. 11	11.040	-1.271	1000
4 4000	0 0	0 10 0	040	•	10	10	1 - 0 - 0	0000		1.004
00044	200	3.575	13.05	-2.920	i	ĺ	-1.938	-1.605	-1.288	-1.004
	9 6	13.582	-3.255	ď	O.	ď	-1.945	-1.609		-1.004
20	3 91	-3.587	-3.254	ณ์	-2.601	-2.280	-1.956	-1.614	-	-1.004
	3 92	-3.611	-3.267	-2.935	Ŋ	-2.232	-1.964	-1.625	-1.296	-1.004
0	93	-3.605	-3.288	•	-2.614	-2.291	-1.964	-1+533	1 • 30	-1.004
8	-3 950	-3.616	-3.283	•	v.	-2.292	-1.970	-1.648	.3	-1.004
0000	'n	-3.627	Ġ	•	S.	۰	-1.981	-1.651	1,32	-1.106
8	-3=970	-3.637	E.	Ň	୬ ଅ	Ņ	-1.979	-1.658		-1.106
8	9.6	-3.646	E.	Ň	2.64		***	-1.570	1.33	-1.106
85000	98	-3.655	3.3	ผ่	5.0	Ņ,	NI.	76.	1.034	-1.106
8	66	-3.663	ņ	-2.997	2.66			. 57	1.34	-1.106
95000	00	-3.671	n)	m i	2.5	ດໍ ເ	CA (n (1,35	901.1-
100000	0	<u>س</u>	ω, M	3.01	9 1	•	N (0000	0
125000	0	-4 ∶		3.044	-2.711	ო.	-2.044	-1.711	m 4	-1.106
150000	-4 071	-3.737	4.0	.07	~	-2.434	-2.071	m	-1.404	-11.106

7.000

-1.374

-1.419

-1.443 -1.456 -1:469 -1,499 -1.502

-1.406

-1.483

-1.498 -1.496 -1.496 -1.498

-1.768 -1.800 -1.850 -1.946 -1.958 -1.988 -2.007 000 -1.923 -1.814 -1.800 -1.814 -1.831 -1.838 -1.848 -1.873 -1.890 -1.898 -1.916 -1.929 -1.755 -1.799 -1.805 -1.799 -1.802 -1.821 -1.826 -1.835 -1.842 -1.844 -1.861 -1,867 -1.879 -1.887 -1.890 -1.908 -1.941 -1.953 -2 068 -2 083 -2 034 -2 052 5.330 -2=107 -2=197 -2.425 -2.428 -2.415 -2.428 -2.435 -2.445 -2.453 -2.459 -2.465 -2.468 -2.470 -2.471 -2.475 -2.489 -2.489 -2.517 -2.532 -2.532 -2.535 -2.540 -2.592 -2.617 -2.647 -2.673 000 -2.494 -2,511 -2,521 -2.558 -2.572 -2.611 -2.418 -2.479 -2.491 -2.565 -2,597 -2.614 -2.719 -2.731 -2.742 -2.773 -2.778 -2.783 -2.804 -2.837 -2.316 -2.821 -2.825 -2.835 -2.854 -2.870 -2.886 -2.884 -2.882 -2.348 -2.980 -3.006 -2.791 2.852 2.939 -2.930 2:752 -2.787 -2.804 000 -2.848 -2.839 -2,833 2.922 2.930 -2.911 -2.751 2.941 m -3.111 -3.122 -3.122 -3.123 -3.123 -3.132 -3.155 -3.164 -3.167 13.205 13.202 13.200 13.200 -3.042 -3.041 -3.040 -3.053 -3.064 -3.094 -3.143 -3.165 -3.231 -3,258 -3,281 -3,313 -3,339 0 0 **0** -3.085 -3.105 -3.248 -3.105 -3.189 -3.213 -3.251 -3.177 -3,249 -3,273 a -3 388 -3 356 -3=386 -3=398 -3=408 13 425 13 425 13 427 13 440 -3 447 -3 453 -3 459 -3 465 -3.525 -3 574 -3 582 -3=591 614 646 673 1.000 -3 360 -3=373 -3 418 -3 442 -3 472 -3=518 -3=607 -3 843 -3.849 -3.853 -3.834 -3 924 -000 -3.839 -3.889 -3 915 -3.839 -3.858 -3.868 -3.890 -3.872 -3.896 -3.707 o -4.179 -4.211. -4.164 -4.159 -4.281 -4.313 -4.339 000 -4.053 -4.079 -4.026 -4.066 -4.168 -4.213 -4.229 -4.239 -4.040 -4:069 -4.080 -4.085 -4.099 -4.164 -4.162 -4.174 -4.189 -4.248 -4.257 -4.265 -4.092 -4.1C7 -4.114 -4.192 -4.273 -4.011 7 -4.425 -4.453 -4.459 -4.466 -4.475 -4.492 -4.505 -4.511 -4.513 -4.527 -4.532 -4.540 -4.360 -4.373 -4.386 -4.397 -4.388 -4.410 -4.445 -4.481 -4.614 -4.646 -4.673 000 -4.455 -4.494 -4.499 -4.562 -4.582 -4.591 -4.441 -4.446 -4.400 -4.402 -4.599 -4.607 Ŋ Ĭ 4 0 Я . DEG K/LOG ATOMIC SPECIES 4400C 25000 27000 27000 30000 32000 34000 36000 60000 11000 12000 13000 14000 24000 5000 38000 40000 42000 48000 50000 55000 70000 8000C 85000 ■ 75000 00006 00056 100000 50000

-1.498 -1.503 -1.512 -1.516 -1.516

-1.501

-1.531 -1.535 -1.538

-1.542 -1.546 -1.550 -1.555 -1.555

-1.589

-1.610

-1.675

-1.604 -1.616 -1.621 -1.627

-1.575

-1.582

in a

ATOMIC SPECIES :

T DEG KZLOG PE	-2.000	-1.000	000.0-	1.000	2.000	3.000	4 000	5.000	000-9	7.000
										-
12000.	-4.580	-4.247	-3.913	-3.580	4	-2,913	-2_622	-2.292	4	-1.600
13000	-4.590	S	-3.925	-3.591		-2.925	-2 503	-2,312	-1.962	-1.613
14000.	-4.591	-4.268	-3.935	-3.602	5	-2.936	-2 602	31	76	-1,625
15000.	-4.585	-4.270	-3.944	-3.612	-3.279	46	-2 612	30	-1.993	-1.637
16000.	-4.594	-4.274	-3.949	-3.621	-3,288	10	-2 622	63	-2.008	-1.649
17000.	-4.603	-4.270	•	-3.627	-3.297	-2.964	-2 630	-2.297	-1.999	-1.662
18000.	-4.611	-4.278	-3.945	-3.625	-3,304	-2.972	-2 639	30	-1.994	-1.677
19000.	-4.619	-4.286	-3.952	-3.634	-3,308	-2.979	-2 545	31	-1.993	-1.693
20000	-4.627	-4.293	-3.960	-3.627	13,304	-2.985	-2 554	-2.320	-1.996	-1.696
21000.	-4.635	-4.300	-3.967	-3.634	-3,316	9.9	-2 660	-2,327	-1.994	-1.692
22000.	-4.649	-4.308	-3.974	-3.640	-3,307	-2.988	-2 665	-2.334	-2.001	-1.690
23000.	-4.640	-4.318	-3.980	-3.647	-3,313	-3.332	-2 673	-2.340	-2.007	-1.690
24000.	-4.639	-4.324	-3.987	-3.653	-3,320	-2.998	-2 672	-2.346	-2.013	-1.692
25000.	-4.642	-4.318	-3.997	-3.659	-3,325	-2.992	-2 573	-2,351	-2.019	-1.695
26000.	-4.647	-4.317	-4.004	-3.665	-3,332	-2.998	-2 685	-2+355	-2.025	-1.692
27000.	-4.653	-4.320	-3.998	-3.674	-3,337	-3.005	-2 683	-2,357	-2.030	-1.697
28000.	-4.660	-4.325	-3.997	-3.686	-3.343	-3.010	-2 575	-2.356	-2.034	-1.702
29000•	-4.669	-4.330	-3.998	-3.69.0	-3.349	-3.014	-2 680	-2,355	-2.038	-1.707
30000	-4.685	-4,336	-4.002	-3.677	-3,358	-3.019	-2 588	-2,372	-2.041	-1.712
32000.	-4.677	-4,358	-4.012	-3.679	-3,361	-3.030	-2 695	-2,354	-2.044	-1.721
34000.	-4.675	-4.357	-4.028	-3.687	-3.359	-3.048	-2 704	-2.375	-2.059	-1.728
36000.	-4.681	-4+353	-4.038	-3.699	-3,363	-3.043	-2 714	-2,331	-2.049	-1.732
38000.	-4.688	-4.356	-4.033	-3.719	-3.371	-3.042	-2 711	-2,388	-2.055	-1.734
40000	-4.693	-4.362	-4 • 033	-3,716	-3,383	-3.045	-2 714	-2.390	-2.061	-1,735
42000.	669.4-	-4.368	-4.037	-3.712	-3.399	-3.053	-2 725	-2.394	-2.067	-1.740
44000•	-4.705	-4.372	-4.042	-3.713	-3.396	-3.063	-2 728	-2,397	-2.073	-1.744
46000.	-4.707	-4.384	-4.047	-3.717	-3,393	-3.080	-2 734	-2.401	-2.084	-1.749
48000.	-4.712	-4.383	-4.052	-3.722	-3,393	-3.078	-2 741	-2.405	-2.081	-1.754
50000.	-4.721	-4.386	-4.062	-3.726	-3.396	-3.076	-2 752	-2.409	-2.084	-1.759
55000.	-4.726	-4.407	-4.066	-3.740	-3.406	-3.078	-2 760	-2.421	-2.092	-1.768
• 00009	-4.734	-4.404	-4.084	-3,746	-3.421	-3.086	-2 760	-2.459	-2.102	-1.775
65000.	-4.746	-4.413	-4.083	-3.763	-3.425	-3.103	-2 765	-2.444	-2.110	-1.783
20000	-4.756	-4.423	-4.090	-3,762	-3.443	.10	-2 777	-2.447		-1.791
75000.	-4.766	-4.433	-4.100	75	-3.442	• 1 1	-2 785	-2.454	-2,123	-1.798
80000	-4.776	-4.442	-4.109	-3,776	-3.443	• 12	-2 791	-2.465	-2.134	-1.804
85000.	-4.784	-4.451	-4.118	-3.784	-3.452	.12	-2 805	.47	* 14	-1.810
• 00006	-4.793	-4.459	-4.126	-3,793	-3.460	. 12	-2 807	-2.476	.14	-1.815
95000.	-4.800	-4.467	-4.134	8	-3.467	-3.135	-2 808	47	• 14	-1.821
100000	-4.808	-4.475	-4.141	-3,808	-3.475	.14	-2 811	4.8	1.5	_
125000.	14.840	-4.507	~	-3.840	-3.507	-3.174	-2 840	-2.538		
150000	-4.867	-4.533	-4.200	-3.867	53	• 23	86	2.53	• 20	-1.869

ATOMIC SPECIES = 0	9									
T DEG AZLOG DE	000	000	000	000	2 000	0000 m	4 000	S 000	0 0 0 9	000 2
16000	-4.753	-4.4B7	-4.107	-3,779	-3.446	-3_113	.78	-2.458	16	-1.808
00021	-4.761	-4.428	7	-3.785	-3.455	-3 122	-2.783	-2.455	-2.157	-1.821
18000	-4.770	4	-4.103	-3.784	-3.462	-3 130	-2.797	-2.464	15	-1.835
00061	-4.777	4	-4.111	-3,793	-3.466	-3=138	.80	-2.471	2 15	
50008	-4.784	-4.451	-4.118	E	-3.463	-3=144	.81	-2.479	15	
21000	-4.786	-4.458	***	-3.792	-3.474	-3=147	•	-2.486	Š	
22000	-4.807	-4.463		-3.799	-3.465	-3 145	-2.824	-2.492	-2.159	•
00082	-4.787	-4.476	14.1	-3.805	-3.472	-3 160		-2.499	-2.166	-
00048	-4.793	-4.483	14.1	-3.811	-3.478	-3 156		-2.53.4	-2.172	-
25000	-4.799	-4.466	-4.1	81	-3.484	-3 151		-2.509	å	-
26000	-4.805	-4.472	-4.1	-3.820	-3.489	-3 156		-2.513	ď	-
27000	-4.810	-4.477		-3.820	-3.494	-3,152		-2,515	å	•
28000	-4.818	-4.482	-4.1	-3.844	-3.498	-3.167		-2,515	-2.193	
29000	-4.828	-4.488	-4.1	-3,838	-3.500	-3-171	-2.839	-2.524	-2.197	-1.866
00000	-4.844	-4.495	-4.1	-3.826	-3.516	-3#176	-2.843	-2.531	-2.200	
00000	-4.836	-4.516	-4.1	-3.835	-3.519	-3 131	-2.852	-2.520	å.	٠
34000	-4.834	-4.516	-4.1	-3.846	-3.510	-3 207	-2.860	-2.528	-2.217	•
36000	-4.839	-4.511	-4.197	-3.857	-3.521	-3 201	•	-2.535	å	
38300	-4.846	-4.515	-4.1	-3.878	-3.529	-3 200	-2.889	-2.543	-2.211	
00004	-4.852	-4.521	-4.191	-3.874	-3.541	-3 204	-2.885	-2.547	-2.218	
42000	-4.858	-4.526		-3.870	-3.557	-3 211	-2.884	-2.555	ถ้	-1.914
44000	-4.863	-4.531	4	-3.871	-3.554	-3,222	-2.887	-2.556	-2.230	
00004	-4.865	-4.5.43		-3.875	-3.551	-3=233	-2.892	-2.559	-2.233	•
00084	-4.871	-4.541	1	-3.880	-3.552	-3=237	-2.900	તં	-2.251	٠
20000	-4.879	-4.544	1	-3.884	-3.555	-3=234	-2.911	-2.568	-2.242	-1.915
55000	-4.885	-4.565	++	-3.899	-3.565	-3 236	-2.918	-2.579	ď	•
00009	-4.893	-4.563	4	-3.904	-3.579	-3 245	•	ď	ล้ เ	-1,934
65000	+06.4-	-4.571	-4.241	-3,921	-3,583	-3 261		-2.602	-2.268	•
00002	-4.915	ıO	ď	N	-3.601	-3 263	N	-2.605	-2.275	•
75000	-4,925	-4.591	-4.258	N	-3.600	-3 274	-2.944	-2.612	-2.282	•
80000	-4.934	-4.601	Ň	'n	-3.603	-3,282	6	-2.624	-2.293	•
85000	-4.943	-4.609	-4.276	-3.943	-3.610	-3=233	96.	-2.629	-2.298	
000	-4.951	-4.618	•	-3.951	-3.618	-3-287	-2.965	-2.635	-2.300	٠
95000	-4.959	-4.626	-4.292	S	-3.626	-3-293	95	-2.633	-2,305	-1.979
000001	-4.966		3	-3.966	-3.633	-3 300	2.97	2.63	ณ์ เ	4.
125000	666.4-	-4.665	'n	-3.999	-3.665	-3 332	9	2.0		o N
150000	-5.025	-4.692	-4.358	-4.025	-3.692	-3 358	.02	C	-2.360	-2.027
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0000-01	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
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ATOMIC SPFrits : 0 T DEG ≪/LwG PE	4 4 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ATOMIC APECIES: 0 T DEG KALDG DE 80000 85000 95000 95000 125000 1500000 150000 150000 150000 150000 150000 150000 150000 150000 1500000 150000 150000 150000 150000 150000 150000 150000 150000 1500000 1500000 150000 150000 150000 150000 150000 150000 150000 150000 1500000 150000 150000 150000 150000 150000 150000 150000 150000 1500000 150000 150000 150000 150000 150000 1500000 1500000 1500000 1500000 1500000 1500000 1500000 15000000 15000000 15000000 1500000 15000000 15000000 1500000 1500000 15000000 150000000 15000000 150

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WEG K/40n PE	000	-1.000	000.0-	1.000	2.000	3.000	4 • 000	0 0 0	000*9	7.000
*0009	16.171	18.170	***	***	**	***	***	**	****	****
	13,346	15,345	17.344	19.340	21.333	**	***	*****	*****	****
8000	11.224	13.202	15.198	17.195	19.189	21.176	23.145	*****	****	***
•0006	10.052	11.506	13.519	15.507	17.501	19.490	21.470	23.424	25,332	***
10000	9.868	10.936	12,322	14.159	16.135	18,123	20 • 105	22 064	23,983	25.714
11000.	9,819	10.825	11.881	13.222	15.027	SO.	18.975	20 938	22.865	24.762
12000.	n	10,782	11.789	12.854	14.233	15.060	18.023	11 988	21.921	23,828
1 30 00 •	9.746	10.746	11.747	12,759	13.860	15.344	17.219	19.175	21.113	23,028
14000.	.71	10.714	11.714	12,717	13.741	14.924	16.562	18.475	20.413	22,333
15000.	•66	10.682	11.684	12.685	13.691	4	160.91	17.877	19.800	21.725
16000.	4	10.640	11.654	12.656	13.658	14.676	15.823	17,389	19,263	21.186
17000.	9.393	10.547	11.618	12,628	13.630	14.637	15.695	17.031		20.707
18000.	.31	10.402	11.553	12.599	13.604	4	15,631	16.809	18.405	20.280
19000	• 28	10.309	11.434	12,554	13.578	14.582	15.593	16.680	18.094	19.901
20000	10	10.266	11.320	12.475	13.548	14.558	15.564	10 507	17.869	19.568
21000.	23	10.239	11 •258	12,364	13.501	14.534	15.540	16.56	17.726	19.284
22000.	9,215	10.217	11.223	12.273	13.426	14.505	15,518	16.531	17.627	19.051
23000.	161.6	10.197	11.200	12.220	13,331	14.454	15.495	16.506	17,563	13,868
24000.	9.156	10.176	11.179	12.188	13.249	14.404	15.470	16.484	17.519	18,732
25000.	960.6	10.151	11.160	12,165	**	14.326	15.439	16.463	17.487	18,632
26000.	9.026	10.114	11.141	12,145	13.159	14.248	15.396	16.441	17.461	18,561
27000.	8.975	10.058	11.117	12.127	13,135	14.137	15,340	16.418	17,439	18,508
28000.	46.	966.6	11.083	12.109	13,115	14.144	15,273	16.389	17.418	18.469
29000	8.924	646.5	11.036	12.088	13.097	14.114	15.208	16,354	17,398	18.438
30000	8.907	816.6	10.980	12.061	13.080	14.091	15.154	16 309	17,378	18.412
32000.	8.876	088.5	10.898	11.977	13.041	00.	15.081	16 202	17,328	18,369
34000.	8.839	9.851	10.856	11.890	12,981	14.023	15.038	16.105	17.260	18,331
36000.	8.773	5.818	10.827		12.899	13,981	L)	16.040	17:175	18,289
38000.	8.701	9.765	10.798	11,806	12.833	13.921	14.973	15,996	17.091	18,239
*0000	8.661	5.695	10.759	11.779	12.792	13.851	14.935	16.00	17.023	18,178
42000.	8.635	5.647	10.700	11.749	12,763	13,793	14.884	15.934	16.974	18.110
44000.	8.610	9.617	10.643	11.708	12,737	13,754		15.901	16.937	18.044
46000.	8.575	9.554	10.605	11.653	12.708	13.726	14.770	15.862	16.906	17,986
48000.	8.525	9.567	10.579	11.604	12.670	13,701	14.728	15,815	16.877	17.939
50000	8.480	9.630	10.556	11.570	12.622	13.674	14.697	15.765	16.847	17.902
55000.	ΛI	9.431	10.475	11.512	12,529	13,583	14.635	15,668	16.755	17.828
• 00009	335	6.379	10.392	11.434	12.474	13.496	14.558	15.606	16,659	17, 758
65000.	8.277	9.313	10.344	11,359	40	13.442	14.475	15.543	16.590	17.676
70000	8.227	9.245	10.283	11,313	ņ	13,384	14.418	15.459	16,535	17.500
75000.	8.162	5.157	10.219	11.260	12,286	.31	14.369	15.405	16.475	17.538
80000	8.113	9.136	10.171	11.198	12.241	13,266	14.310	15,357	16.412	17.485
0	8.069	680.5	10.117	11.151	12.186	13,226	14.255	15,310	16,357	17.434
* 00006	8.018	640°6	10.069	11.104	12,137	13,181	14.213	15.259	16,311	17,380
.00055	7.983	8.002	10.032	11.055	12.094		14.175	15.211	16.269	17,329
1000001	.95	•		11.017		13.088	14.134	15.171	16.225	17.284
125000.		8.860	æ	10.862	11.875	12,908	13.940	14.989	16.045	17.096
150000.	7.781	•	182.6	10.781	11.781	12,784	13.803	14.839	15.886	16.950

			LOG 0F	THE NUMBER OF		ELECTRONS PER	AT			
DEG	-2.000	-1.000	000.01	1.000	2.000	3.000	000	5.000	000.9	7.000
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0000	41.01	00.40	510.1-	10001	\circ	1000	1000	40.00		45.85
0000	900	0.00	20+0-	66791	200	10.4.00	70.5	1 0	1 6	
1000	0	Ο:	-0.062	-0.403	-1.209	-2.175	001 51	6113	10.040	****
2000	000.0-	0	-0.008	-0.074	-0.452	-1.279	12 242	-3.207	041.4	
1 30 0 0	•	000.0-	-0.001	-0.013	-0-114	-0.598	-1-473	-2.429	-3.367	-4.282
0	0	0.000	000.0-	-0.003	-0.027	-0.211	-0 848	-1.761	-2.699	-3.620
0	0	0.002	00000	-0.001	-0.007	-0.065	-0=407	-1.193	-2.116	-3.041
0		0.016	0.002	000.0-	-0.002	-0.021	-0=167	-0.733	-1.607	-2.530
0	ď	0.082	0.011	0.001	-0.001	-0.007	-0=065	-0.402	-1.167	-2.078
800	Q.	0.202	0.052	900.0	00000	-0.003	-0=026	-0.204	-0.800	-1.675
0	Ġ	0.272	0.148	0.027	0.003	-0.001	-0=015	660.0-	-0.513	-1.319
0	ņ	0.293	0.238	0.084	0.011	0.001	-0=009	-0.048	-0.310	-1,009
0	5	0.299	0.280	0.174	0.037	400.0	-0° 002	-0.025	-0.188	-0.746
0	ų,	0.300	0.294	0.244	0.092	0.013	000 0-	-0.013	-0.110	-0.534
23000	0.307	0.301	0.299	0.278	0.167	0.034	0 003	-0.008	-0.065	-0.370
0	Ŋ	0.304	0.300	0.292	0.231	0.076	600 0	-0.004	-0.040	
0		0.311	0.302	0.297	0.268	0.136	0 023	-0.001	-0.025	-0.170
0	0.419	0.331	0.304	0.300	0.286	0.197	0 049	0.004	-0.016	-0.116
0	4	0.370	0.312	0. 301	0.294	0.242	0 089	0.011	-0.010	-0.080
9	4	0.417	0.329	0.304	0.298	0.269	0 140	0.023	-0.006	-0.056
00000	. 4	0.449	0.362	0.310	0.300	0.284	0 189	0.044	-0.001	
	47	0.465	0.403	0.322	0.302	0.292	0 229	0.074	00.	-0.029
0	4	0.475	0.457	0.378	0.313	0.299	0 274	0.153	0.026	-0.014
0	•	0.478	0.472	0.439	0.348	0.306	0 291	0.223	0.068	-0.005
2	្រ	0.486	0.477	0.466	0.405	0.323	0 299	0.254	0.128	0.014
0	ູເກ	0.515	0.482	0.474	1447	0.359	0 307	0.284	0.189	0.041
2		0.563	0.499	0.479	0.466	0.407	0.323	0.294	0.235	0.080
n	Q	0.590	0.537	0.487	0.474	0.443	0 353	0.303	0.263	0.127
O	.0	665.0	0.574	0.509	0.480	0.462	0=392	0.315	0.280	0.173
0	.0	0.604	0.592	0.544	0.489	0.472	0.427	0.336	0.291	0.211
008	9	0.612	009.0	0.574	0.509	0.478	0=451	0.364	0.301	0.239
	9	0.631	0.605	0.591	0.539	0.487	0=464	0.396	0.314	
S	7	0.688	0.645	0.608	0.591	0.537	0 484	0.452	0.365	٠
00009		0.702	069.0	0.648	0.608	0.585	0 524	0.476	0.423	٠
5000		0.734	0.703	0.688	0.643	0.605	0 572	0.504	0.457	0.371
0000	0.787	0.770	0.732	0.702	0.682	0.631	0 597	0.546	0.480	0.415
8	ဆ	0.788	0.766	0.725	669.0	699.0	0 616	0.580	20	0.447
8	æ	0.821	0.785	0.758	0.715	0.691		0.00	40	٠
85000	0.861	0.842	0.813	0.779	0.744	0.705		0.621	57	0.496
8	8	0.857	0.837	0.802	0.769	0.725		0.647	20	0.525
2	•	0.880	8	. 82	•78	0.751	0 707	0.672	219	55
ဝ	0		•	•	0.812			0.589	2	57
250	6	0.903		0.901	0.388	0.855	0 823			99.
500	9		•		0.903	O.		0.844	0.798	0.734

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######################################	4.089 6.088 ******* ****** ****** ****** ******* ****	G.	-2.000	-1.000	0.00	1.000	00.	00	00.	5.000	000.9	•
1,331 1,434 2,435 7,225 7,225 7,23	1, 231 3, 3, 3, 5 3, 2, 2 3, 2, 2 4, 2, 2 4, 2, 2 4, 2, 2 4, 2, 2 4, 2, 2 4, 2, 2 4, 2, 2 4, 2, 2 4, 2	.	4.089	.08	* * * *	* * * *	***	* * *	****	*	*	****
1,000	1,000 1,00	•	1.331	.33	32	.32	31	***	****	***	#	***
	1,629	.	-0.710	• 24	•24	23	.23	23	.18	***	*	***
-1.699 -0.656 0.333 2.24 4.277 6.563 8.245 10.004 12.123 11.0046 12.123 11.0046 12.123 11.0046 10.699 -0.659 0.335 1.354 4.331 6.244 8.207 10.140 11.0046 11.		■0	-1.620	0.22	*62	.60	.59	.53	• 56	1:21	42	
- 1.699 - 0.695	- 1.609 - 0.669	•0	-1.695	0.66	55	. 32	.27	• 26	24	0.20	• 12	3
-1,699 -0,699 0,330 1,339 2,583 4,301 6,248 7,431 9,400 0,10		•	-1.699	59.0	333	. 54	23	11.	• 15	. 1	• 04	
-1,699 -0,699 0,330 1,337 2,362 3,649 5,487 7,431 9,387 7,141 9,487 1,447 1,44	-1,699 -0,699 0,330 1,337 2,362 3,649 5,487 7,481 9,387 1,1708 -0,699 0,330 1,330 2,334 4,550 6,220 6,220 8,119 1,1708 -0,700 0,331 1,330 2,334 4,550 6,220 8,119 1,1708 -0,700 0,331 1,330 2,334 4,550 6,220 8,119 1,1708 -0,700 0,331 1,330 2,331 4,334 5,545 7,189 6,220 1,1802 -0,789 0,226 1,200 2,331 3,311 4,334 5,545 7,189 6,220 1,1802 -0,180 0,227 1,288 2,330 3,331 4,336 5,324 6,480 1,1802 -0,1802 -0,180 1,221 2,223 3,331 4,336 5,324 6,480 1,1802 -0,1802 -0,1802 1,221 2,223 3,291 4,330 5,324 6,480 1,1802 -0,1802 -0,1802 -0,1802 1,1802 2,223 3,291 4,301 5,302 6,331 6,401 1,1802 -1,1802 -0,1802 -0,172 1,117 2,1181 3,295 4,301 5,302 6,330 1,1802 -1,1802 -0,	•0	-1.699	0.69	•	3	•58	• 33	24	•	• 14	
	-1,700 -0.6999 0.3301 1.3302 2.334 3.419 4.4550 6.768 8.699 1.1708 -0.6700 0.3301 1.3312 2.332 3.411 4.392 6.220 8.1199 1.1708 -0.700 0.3301 1.331 2.332 3.411 4.392 6.220 8.1199 1.1902 -0.709 0.293 1.288 2.301 3.331 4.392 6.4314 6.4862 7.195 7.1823 -0.6814 0.293 1.288 2.301 3.301 4.303 6.3324 6.480 7.195 7.1823 -0.6824 0.0293 1.281 2.283 3.295 4.301 6.303 6.331 6.4802 7.1824 0.0292 0.0292 1.281 6.2295 3.301 4.303 6.3324 6.480 7.1824 0.0292 7.1824 7.2829 7.301 4.303 6.3324 6.480 7.1824 0.0292 7.1824 7.2829 7.301 6.303 6.3316 7.1822 7.1823 7.295 7.295 7.301 6.301 6.301 7.1822 7.1823 7.295 7.295 7.301 6.301 6.301 7.1822 7.1823 7.295 7.295 7.295 7.301 7.2829 7.301 7.30	•	-1.699	69.0	•	30	•36	69.	.48	7.431	• 36	11.282
		•	-1.700	0.69		30	.31	. 41	8	6.768	8 • 699	10.620
1, 1, 1, 2, 2, 1, 1, 2, 3, 2, 3, 3, 1, 4, 3, 9, 5, 806		••	-1.708	0.70	Ŋ	30	\$30	.33	.55	6.220	8.119	
		0	-1.749	0.70	E,	1.30.1	• 30	31	5	5.806		9.531
		0	-1.802	ċ	•28	1.300	•30	930	3	5.545	5	9
-1.823 -0.814 0.233 1.238 2.300 3.331 4.306 5.351 6.627 6.481 -1.824 -0.824 0.178 1.224 2.225 3.331 4.302 5.312 6.481 -1.824 -0.824 0.178 1.126 2.225 3.295 4.301 5.306 6.335 -1.824 -0.824 0.177 1.1164 2.225 3.295 4.301 5.306 6.331 -1.832 -0.825 0.176 1.179 2.201 3.294 4.209 5.332 6.331 -1.832 -0.825 0.176 1.177 2.181 3.296 4.296 5.302 6.316 -1.845 -0.827 0.175 1.117 2.181 3.296 4.296 5.302 6.316 -1.845 -0.837 0.175 1.117 2.118 4.296 5.306 6.316 -1.845 -0.846 0.177 1.117 2.118 4.296 5.209 6.310 -1.873 -0.869 0.167 1.177 2.177 3.187 4.296 5.296 6.306 -1.874 -0.888 0.167 1.177 2.177 4.187 6.299 6.301 -1.875 -0.875 0.145 1.175 2.177 3.187 4.296 5.296 6.301 -1.875 -0.875 0.145 1.1175 2.177 4.179 5.296 6.301 -1.878 -0.887 0.157 1.1175 2.177 4.179 5.296 6.301 -1.878 -0.887 0.187 1.1125 2.177 4.179 5.206 6.209 -1.879 -0.897 0.195 1.1125 2.117 4.179 5.206 6.209 -1.898 -0.897 0.195 1.1125 2.112 3.113 4.1179 5.202 -1.898 -0.894 0.103 1.1125 2.112 3.113 4.1179 5.114 -1.902 -0.894 0.103 1.112 2.112 3.113 4.119 5.114 -1.904 -0.903 0.009 1.1109 2.122 4.113 5.113 5.114 -1.907 -0.903 0.009 1.1109 2.122 4.113 5.116 6.1174 -1.918 -0.903 0.009 1.1109 2.122 4.113 5.114 -1.918 -0.904 0.008 1.009 2.110 3.122 4.113 5.114 -1.918 -0.905 0.009 1.100 2.112 3.104 4.109 5.104 -1.918 -0.904 0.009 1.009 2.100 3.101 4.113 5.116 6.1154 -1.918 -0.904 0.009 1.009 2.009 3.101 4.103 5.118 6.128 -1.907 -0.905 0.009 1.009 2.009 3.009 4.009 5.009 5.009 1.009 1.009 2.009 3.009 1.009 2.009 3.009 1.009 3.009 1.009 3.009 1.009 3.009 1.009 3.009 1.009 3.009 1.009 3.009 1.009 3.009 3.009 4.009 5.009 6.009 1.009 3.009		0	-1.819	ö	Ŋ	• 29	•30	.30	•31	5.413	86	8.683
-1,6824 -0.6821 0.198 1.223 2.283 3.299 4.301 5.324 6.480 -1,6824 -0.6824 0.178 1.1263 2.283 3.299 4.301 5.326 6.331 -1,6824 -0.6824 0.177 1.194 2.225 3.294 4.209 5.333 6.331 -1,6826 -0.6824 0.176 1.177 2.187 3.284 4.299 5.333 6.331 -1,6825 -0.6824 0.176 1.177 2.187 3.284 4.289 5.300 6.310 -1,6825 -0.6824 0.176 1.177 2.187 3.284 4.289 5.300 6.310 -1,6825 -0.6834 0.175 1.176 2.187 3.284 4.289 5.300 6.310 -1,6825 -0.6834 0.175 1.177 2.187 3.284 4.289 5.300 6.310 -1,6875 -0.6834 0.157 1.177 2.187 3.187 4.289 5.289 6.301 -1,6875 -0.6875 0.167 1.175 2.177 3.187 4.216 5.289 6.301 -1,6875 -0.6875 0.157 1.175 2.177 3.187 4.216 5.289 6.301 -1,6875 -0.6875 0.157 1.175 2.167 3.187 4.201 5.286 6.299 -1,6875 -0.6875 0.187 1.1175 2.167 3.187 4.177 5.189 6.286 -1,6875 -0.6875 0.187 1.1175 2.167 3.187 4.177 5.189 6.286 -1,6902 -0.6875 0.103 1.1125 2.161 3.174 4.177 5.189 6.286 -1,902 -0.991 0.103 1.1125 2.124 3.159 4.177 5.189 6.286 -1,903 -0.903 0.109 1.109 2.122 4.137 5.189 6.180 -1,903 -0.903 0.099 1.109 2.122 4.137 5.189 5.187 6.186 -1,904 -0.903 0.099 1.109 2.122 4.131 5.186 6.177 -1,918 -0.919 0.089 1.099 2.097 3.191 4.103 5.189 6.189 -1,921 -0.910 0.089 1.099 2.097 3.191 4.103 5.189 6.189 -1,932 -0.921 0.091 1.009 2.097 3.191 4.104 5.101 6.115 -1,934 -0.932 0.004 1.007 2.082 3.091 4.098 5.091 6.107 -1,934 -0.934 0.066 1.007 2.085 3.078 4.088 5.097 6.097 -1,942 -0.942 0.062 1.007 2.065 3.078 4.088 5.097 6.097 -1,944 -0.943 0.065 1.006 2.065 3.077 4.089 5.089 6.097 -1,949 -0.949 0.081 1.061 2.065 3.077 4.076 5.088 6.097	-1,6824 -0.6821 0.198 1.2261 2.295 3.301 4.303 5.324 6.480 -1,6824 -0.6824 0.178 1.1263 2.283 3.299 4.301 5.302 6.331 -1,6824 -0.6824 0.178 1.196 2.257 3.299 4.301 5.302 6.331 -1,6826 -0.6824 0.177 1.184 2.225 3.299 4.301 5.302 6.331 -1,6826 -0.6824 0.177 1.117 2.187 3.213 4.289 5.303 6.331 -1,6850 -0.6834 0.175 1.177 2.187 3.213 4.289 5.300 6.310 -1,680 -0.6846 0.172 1.176 2.187 3.213 4.289 5.298 6.300 -1,6875 -0.6834 0.172 1.176 2.177 3.187 4.289 5.298 6.301 -1,6875 -0.6875 0.167 1.177 2.187 3.187 4.289 5.298 6.301 -1,6875 -0.6875 0.157 1.175 2.177 3.187 4.289 5.298 6.301 -1,6875 -0.6875 0.157 1.175 2.177 3.187 4.296 5.298 6.301 -1,6875 -0.6875 0.130 1.152 2.177 3.187 4.186 5.298 6.296 -1,6875 -0.6875 0.130 1.152 2.176 3.179 4.176 5.188 6.296 -1,6875 -0.6875 0.130 1.152 2.177 3.187 4.176 5.188 6.296 -1,690 -0.684 0.124 1.125 2.124 3.157 4.176 5.188 6.296 -1,901 -0.901 0.101 1.125 2.126 3.137 4.159 5.107 6.196 -1,902 -0.903 0.099 1.109 2.122 4.131 5.156 6.177 -1,903 -0.903 0.099 1.109 2.112 3.126 4.137 5.164 6.117 -1,913 -0.903 0.099 1.109 2.112 3.126 4.131 5.126 6.137 -1,921 -0.912 0.090 1.009 2.010 3.101 4.098 5.108 6.101 -1,922 -0.926 0.076 1.009 2.009 3.009 4.103 5.118 5.124 -1,934 -0.932 0.076 1.009 2.009 3.009 4.103 5.118 5.124 -1,942 -0.934 0.062 1.007 2.005 3.009 4.009 5.009 5.009 -1,944 -0.942 0.062 1.007 2.005 3.009 4.009 5.009 5.009 -1,948 -0.949 0.065 1.009 2.005 3.009 4.009 5.009 5.009 -1,949 -0.949 0.061 1.009 2.005 3.009 6.009 5.009 5.009 5.009 -1,949 -0.949 0.065 1.009 2.005 3.009 6.009 5	0	-1.823	9.8	ď	• 28	.30	3 0	• 30	5,351	.62	8,338
-1.624 -0.623 0.183 1.223 2.283 3.299 4.302 5.312 6.401 -1.632 -0.624 0.177 1.194 2.225 3.294 4.299 5.339 6.335 -1.632 -0.625 0.177 1.194 2.225 3.294 4.299 5.339 6.331 -1.632 -0.625 0.177 1.179 2.201 3.264 4.299 5.330 6.331 -1.645 -0.634 0.175 1.176 2.181 3.213 4.295 5.302 6.318 -1.660 -0.634 0.175 1.176 2.181 3.213 4.295 5.302 6.318 -1.6473 -0.636 0.175 1.175 2.177 3.187 4.299 5.298 6.303 -1.6473 -0.689 0.167 1.175 2.177 3.187 4.299 5.299 6.301 -1.6475 -0.689 0.167 1.175 2.177 3.187 4.296 5.299 6.301 -1.6475 -0.6872 0.145 1.152 2.176 3.187 4.216 5.295 6.301 -1.6475 -0.6872 0.145 1.152 2.177 3.179 4.179 5.296 6.299 -1.6475 -0.6872 0.145 1.152 2.177 3.179 4.179 5.296 6.299 -1.6475 -0.6872 0.130 1.152 2.177 3.179 4.179 5.206 6.299 -1.6978 -0.689 0.109 1.122 2.122 3.174 4.179 5.181 6.219 -1.902 -0.903 0.109 1.112 2.122 3.124 4.179 5.181 6.194 -1.902 -0.903 0.109 1.100 2.122 3.125 4.137 5.164 6.177 -1.913 -0.903 0.009 1.100 2.112 3.125 4.137 5.164 6.177 -1.926 -0.903 0.006 1.009 2.110 3.122 4.137 5.164 6.177 -1.937 -0.903 0.006 1.009 2.110 3.122 4.137 5.164 6.177 -1.938 -0.904 0.006 1.009 2.110 3.122 4.137 5.164 6.177 -1.939 -0.905 0.006 1.009 2.100 3.009 3.009 4.103 5.101 6.115 -1.942 -0.932 0.006 1.009 2.009 3.009 3.009 4.009 5.009 5.009 1.009 -1.942 -0.934 0.069 1.009 2.009 3.009 4.009 5.009 5.009 1.009 -1.944 -0.934 0.069 1.009 5.009 3.009 4.009 5.009 5.009 1.009 1.009 1.009 1.009 5.009 3.009 4.009 5.009 5.009 1.009 1.009 5.009 3.009 4.009 5.009	- 1, 824	0	-1.824	0.8	7	26	•29	• 30	• 30	5.324	• 48	8.047
-1,824 -0.624 0.177 1.196 2.257 3.295 4.301 5.306 6.355 -1.632	-1,624 -0,624 0.177 1.196 2.257 3.295 4.301 5.306 6.355 1.1824 -0,632 0.177 1.194 2.225 3.284 4.299 5.303 6.331 1.184 2.225 3.284 4.299 5.303 6.331 1.184 2.225 3.284 4.299 5.305 6.316 1.184 2.285 1.184 2.295 6.303 6.316 1.184 2.295 0.176 1.177 2.187 3.284 4.289 5.306 6.306 1.184 2.285 1.187 3.284 4.289 5.306 6.306 1.184 2.285 1.187 3.284 4.289 5.306 6.306 1.187 1.184 2.184 4.289 5.295 6.306 1.187 1.187 2.187 3.184 4.289 5.295 6.306 1.187 1.187 2.187 3.187 4.286 5.288 6.301 1.187 1.187 2.177 3.187 4.286 5.288 6.301 1.187 1.187 2.177 3.187 4.201 5.288 6.301 1.187 1.187 2.176 3.179 4.201 5.288 6.301 1.187 1.187 2.176 3.179 4.201 5.288 6.301 1.187 1.189 1.180 1.	•0	-1.824	0.8	*	.22	•28	• 29	• 30	5,312	.40	7.813
	-1,632 - 0,624	■0	-I.824	0.8	7	O.	.25	• 29	• 30	5,306	ın	7.639
-1,832 -0,825 0,176 1,179 2,201 3,254 4,289 5,302 6,318 1,1865 -0,834 0,175 1,177 2,187 3,238 4,229 5,300 6,310 1,1860 -0,834 0,175 1,176 2,187 3,238 4,229 5,300 6,310 1,1860 -0,834 0,175 1,176 2,187 3,1197 4,226 5,298 6,306 1,1875 -0,887 0,167 1,175 2,117 3,1187 4,275 5,298 6,309 1,1875 -0,887 0,167 1,175 2,177 3,187 4,236 5,298 6,301 1,1875 -0,887 0,187 1,175 2,177 3,187 4,236 5,299 6,299 1,1875 0,130 1,1152 2,177 3,187 4,179 5,209 6,299 1,1875 0,130 1,1152 2,116 3,179 4,179 5,208 6,299 1,1875 0,187 0,125 1,1126 2,144 3,159 4,177 5,188 6,239 1,189 0,187 1,189 0,199 1,182 2,122 3,187 4,179 5,188 6,239 1,189 0,190 1,189 0,190 1,182 2,122 3,187 4,187 5,188 6,239 1,189 0,190 1,189 0,180 0,180 0,180 0,180 0,180 1,189 0,180 0,	-1.632 -0.625 0.176 1.177 2.187 3.264 4.296 5.302 6.318 1.1845 -0.685 0.176 1.177 2.187 3.264 4.296 5.302 6.318 1.1845 -0.685 0.176 1.177 2.187 3.187 4.277 5.298 6.303 1.1869 -0.686 0.175 1.176 2.177 3.187 4.277 5.298 6.303 1.187 0.1875 0.1	. 0	-1.826	0.8	₹	.18	.22	28	.29	5.333	6.331	7.517
-1.845 - 0.827 0.176 1.177 2.187 3.238 4.289 5.300 6.310 1.1860 - 0.834 0.175 1.176 2.181 3.213 4.277 5.298 6.300 1.1860 - 0.854 0.175 1.176 2.178 3.187 4.258 5.298 6.301 1.1869 - 0.859 0.167 1.175 2.177 3.187 4.256 5.298 6.303 1.1874 - 0.868 0.157 1.175 2.177 3.187 4.216 5.298 6.301 1.1875 - 0.872 0.146 1.1873 2.176 3.182 4.216 5.269 6.200 1.1875 - 0.872 0.146 1.1873 2.176 3.187 4.216 5.269 6.290 1.1878 - 0.872 0.126 1.152 2.172 3.176 4.187 5.202 6.290 1.1878 - 0.877 0.125 1.152 2.172 3.176 4.179 5.202 6.280 1.1878 - 0.877 0.125 1.126 2.127 4.176 5.181 6.214 1.1903 - 0.895 0.119 1.122 2.126 3.143 4.176 5.181 6.214 1.1903 - 0.895 0.119 1.122 2.126 3.143 4.176 5.181 6.214 1.1904 - 0.909 0.009 1.109 2.122 3.126 4.137 5.170 6.190 1.1904 - 0.900 0.009 1.109 2.122 3.126 4.137 5.170 6.190 1.1901 - 0.901 0.009 1.109 2.122 3.126 4.137 5.170 6.190 1.1901 - 0.901 0.009 1.109 2.102 3.111 4.123 5.124 4.137 5.124 6.137 1.1901 - 0.901 0.009 1.109 2.009 3.111 4.123 5.124 6.137 6.190 1.1901 - 0.902 0.009 1.109 2.009 3.111 4.123 5.124 6.137 6.190 1.1901 - 0.902 0.009 1.009 2.009 3.111 4.123 5.124 6.108 6.124 1.1901 - 0.904 0.009 1.009 2.009 3.111 4.123 5.124 6.108 6.124 1.1901 - 0.904 0.009 1.009 2.009 3.111 4.123 5.124 6.109 6.109 1.1904 - 0.904 0.009 1.009 2.009 3.111 4.103 5.124 6.109 5.100 6.109 1.109 1.109 2.009 3.101 4.103 5.104 6.109 5.100 6.109 1.109 1.109 2.009 3.000 4.103 5.100 6.109 1.10	-1,845 - 0,827 0,176 1,177 2,187 3,238 4,289 5,300 6,310 1,1860 - 0,884 0,175 1,176 2,181 3,213 4,227 5,298 6,300 1,187 1,1873 - 0,889 0,167 1,175 2,177 3,187 4,228 5,298 6,303 1,1874 1,1874 1,1875 - 0,889 0,167 1,175 2,177 3,187 4,226 5,298 6,303 1,1875 - 0,889 0,187 1,1875 2,176 3,179 4,216 5,286 6,309 1,1875 - 0,875 0,128 1,187 1,188 1,189 1,1		-1.832	0.8	4	1.179	• 20	• 26	•29	5.302	6.318	7.437
-1,660 -0.834 0.175 1.176 2.181 3.213 4.277 5.298 6.306 -1.869 -0.846 0.172 1.176 2.177 3.187 4.258 5.295 6.301 -1.875 -0.869 0.167 1.175 2.177 3.187 4.236 5.289 6.301 -1.875 -0.869 0.167 1.175 2.177 3.187 4.236 5.289 6.301 -1.875 -0.8872 0.167 1.173 2.176 3.187 4.216 5.289 6.209 -1.875 -0.8872 0.1872 1.169 2.177 3.1872 4.185 5.280 6.299 -1.878 -0.8875 0.126 1.152 2.177 3.179 4.179 5.202 6.296 -2.96 -1.888 -0.8877 0.126 1.122 2.161 3.174 4.179 5.202 6.296 -2.96 -1.898 -0.8877 0.124 1.122 2.124 3.159 4.176 5.188 6.201 6.289 1.1902 -0.8977 0.113 1.122 2.124 3.159 4.176 5.189 6.289 1.1902 -0.903 0.103 1.117 2.124 3.127 4.174 5.181 6.186 1.1903 -0.903 0.103 1.117 2.124 3.129 4.159 5.177 6.196 1.1913 -0.903 0.0097 1.103 2.117 3.125 4.137 5.164 6.177 1.1913 -0.912 0.095 1.0097 1.103 2.117 3.125 4.131 5.156 6.177 1.1912 -1.913 -0.992 0.0096 1.0097 2.100 3.111 4.123 5.131 6.154 6.118 6.118 1.1924 -0.992 0.0096 1.0097 2.100 3.111 4.123 5.131 6.154 1.194 -0.992 0.0096 1.0097 2.009 3.101 4.113 5.126 6.118 6.112 1.1932 -0.992 0.0096 1.0097 2.009 3.101 4.113 5.126 6.118 6.115 1.194 0.092 0.0096 1.0075 2.009 3.101 4.009 5.008 5.008 5.008 5.008 1.004 1.0075 2.009 3.009 4.009 5.009 5.009 5.009 1.0075 2.009 3.009 4.009 5.	-1.860 -0.834 0.175 1.176 2.181 3.213 4.227 5.298 6.306 1.805 -0.846 0.172 1.175 2.177 3.187 4.226 5.289 6.301 1.818 1.873 -0.886 0.157 1.175 2.177 3.187 4.236 5.289 6.301 1.818 1.873 -0.886 0.157 1.173 2.176 3.182 4.216 5.286 6.301 1.887 1.887 1.0875 0.145 1.159 2.177 3.187 4.189 5.299 6.209 1.187 1.188 1.189 1.189 1.182 1.182 2.174 4.176 5.188 6.200 1.189 1.182 1.182 2.161 3.174 4.179 5.202 6.266 1.1898 1.189 1.182 2.128 3.159 4.176 5.188 6.239 1.189 1.182 2.128 3.159 4.176 5.181 6.214 1.1902 1.0.902 1.0.903 1.109 2.122 3.159 4.176 5.181 6.214 1.1904 1.0.903 0.009 1.109 2.122 3.128 4.137 5.164 6.177 1.1913 1.0.904 1.0.905 1.109 2.117 3.122 4.137 5.164 6.177 1.1913 1.0.905 1.0.909 1.109 2.117 3.125 4.131 5.159 6.174 6.186 1.1913 1.0.905 1.0.909 1.109 2.117 3.125 4.131 5.159 6.174 6.137 1.1912 1.0.905 1.0.909 1.109 2.110 3.122 4.137 5.164 6.137 1.1912 1.192 1.0.909 2.117 3.125 4.131 5.159 6.174 6.137 1.192 1.193 1.109 2.117 3.125 4.131 5.159 6.174 6.137 1.193 1.193 1.193 1.109 2.117 3.125 4.131 5.159 6.174 6.137 1.193 1.194 1.193 1.194 1.193 1.19	••	-1.845	0.8	0.176		.18	.23	Ş	5.300	6.310	7,386
-1.869 -0.846 0.172 1.176 2.177 3.196 4.258 55.295 6.303 -1.874 -0.889 0.167 1.175 2.177 3.197 4.256 55.286 6.301 -1.875 -0.872 0.145 1.169 2.176 3.179 4.201 5.286 6.301 -1.875 -0.877 0.130 1.152 2.172 3.174 4.185 5.286 6.296 -1.888 -0.877 0.126 1.135 2.164 3.174 4.176 5.188 6.296 -1.898 -0.877 0.126 1.126 2.122 3.157 4.176 5.188 6.296 -1.903 -0.911 1.125 2.122 3.157 4.174 5.188 6.296 -1.904 -0.903 0.119 1.125 2.124 3.129 4.174 5.186 6.174 -1.904 -0.903 0.119 1.117 2.124 3.129 4.147 5.186 6.174	-1,869 -0.846 0.172 1.176 2.178 3.196 4.258 5.295 6.303	•	-1.860	0.8	0.175	٠	• 18	2.	Ġ	5.298	6.306	7, 354
-1,873 -0,859 0,167 1,175 2,177 3,187 4,236 5,288 6,301 -1,874 -0,868 0,157 1,115 2,176 3,182 4,216 5,229 6,299 -1,875 -0,872 0,145 1,1169 2,177 3,176 4,185 5,279 6,299 -1,875 -0,875 0,126 1,115 2,176 3,176 4,179 5,202 6,226 -1,878 -0,877 0,126 1,115 2,114 4,179 5,188 6,239 -1,888 -0,877 0,124 1,126 2,124 3,159 4,176 5,188 6,239 -1,898 -0,895 0,119 1,125 2,128 3,143 4,159 5,177 6,196 -1,902 -0,895 0,119 1,125 2,128 3,143 4,169 5,177 6,196 -1,903 -0,901 0,111 1,122 2,128 3,133 4,159 5,177 6,196 -1,904 -0,903 0,099 1,110 2,124 3,129 4,137 5,164 6,181 -1,913 -0,905 0,097 1,103 2,117 3,125 4,131 5,155 6,174 -1,913 -0,905 0,096 1,099 2,110 3,122 4,131 5,155 6,174 -1,921 -0,919 0,096 1,099 2,110 3,122 4,131 5,126 6,170 -1,921 -0,932 0,078 1,081 2,089 3,109 4,113 5,124 6,137 -1,934 -0,932 0,078 1,009 2,099 3,101 4,098 5,108 6,107 -1,934 -0,932 0,006 1,070 2,072 3,096 4,103 5,118 6,1128 -1,934 -0,932 0,066 1,077 2,072 3,096 4,088 5,097 6,101 -1,944 -0,942 0,065 1,064 2,068 3,075 4,088 5,088 6,097 -1,949 -0,949 0,055 1,066 2,065 3,077 4,078 5,088 6,099 -1,949 -0,949 0,055 1,066 2,065 3,077 4,078 5,089 6,007 -1,949 -0,949 0,051 1,061 2,065 3,077 4,078 5,089 6,099 -1,949 -0,949 0,055 1,066 2,065 3,077 4,078 5,089 6,099 -1,949 -0,949 0,065 1,067 2,065 3,077 4,078 5,089 6,099 -1,949 -0,949 0,065 1,067 2,065 3,077 4,078 5,089 6,099 -1,949 -0,949 0,065 1,067 2,065 3,077 4,078 5,089 6,099 -1,949 -0,949 0,065 1,067 2,065 3,077 4,078 5,089 6,099 -1,949 -0,949 0,065 1,067 2,065 3,077 4,078 5,089 6,099 -1,949 -0,949 0,065 1,067 2,065 3,077 6,078 5,089 6,099 -1,949 -0,949 0,065 1,067 2,065 3,077 6,008 5,089 6,099 -1,949 -0,949 0,065 1,067 2,065 3,068 4,075 5,089 6,099 1	-1,873 -0,859 0.167 1.175 2.177 3.187 4.236 5.288 6.301 -1,875 -0.686 0.157 1.173 2.176 3.182 4.236 5.288 6.399 -1,875 -0.6875 0.145 1.152 2.176 3.174 4.185 5.279 6.289 -1,875 -0.875 0.125 1.1152 2.177 4.185 5.230 6.286 -1,878 -0.877 0.125 1.128 2.141 4.176 5.188 6.286 -1,892 -0.894 0.125 1.128 2.142 3.157 4.176 5.188 6.286 -1,902 -0.895 0.119 1.122 2.126 3.143 4.168 5.177 6.186 -1,904 -0.903 0.103 1.117 2.122 3.143 4.187 5.184 6.186 -1,913 -0.904 0.009 1.103 2.112 4.137 5.184 6.186 -1,921 -0.919	•	-I.869	0.8	0.172	•	•17	• 19	3	5.295	6.303	7, 334
-1.874 -0.868 0.157 1.173 2.176 3.182 4.216 5.279 6.299 -1.875 -0.875 0.135 1.169 2.176 3.176 4.185 5.285 6.296 -1.875 -0.875 0.126 1.135 2.161 3.174 4.179 5.205 6.286 -1.888 -0.877 0.126 1.122 2.132 3.159 4.176 5.188 6.239 -1.889 -0.877 0.124 1.125 2.132 3.157 4.176 5.188 6.239 -1.903 -0.901 0.111 1.122 2.126 3.133 4.159 5.177 6.186 -1.904 -0.903 0.103 1.117 2.124 3.129 4.159 5.177 6.186 -1.907 -0.901 0.111 1.122 2.126 3.133 4.159 6.174 6.181 -1.907 -0.901 0.103 1.117 2.124 3.125 4.139 6.181 -1.907 -0.905 0.097 1.103 2.117 3.125 4.137 5.164 6.177 -1.918 -0.905 0.097 1.109 2.122 3.125 4.131 5.155 6.174 -1.921 -0.919 0.096 1.099 2.110 3.122 4.128 5.146 6.177 -1.921 -0.919 0.096 1.099 2.100 3.101 4.123 5.146 6.177 -1.922 -0.926 0.078 1.001 2.009 3.101 4.098 5.108 6.122 -1.934 -0.932 0.074 1.079 2.092 3.094 4.103 5.118 6.128 -1.942 -0.939 0.066 1.077 2.072 3.094 5.103 5.108 6.107 -1.944 -0.942 0.065 1.007 2.072 3.078 4.083 5.093 6.101 -1.947 -0.949 0.055 1.064 2.068 3.075 4.078 5.089 6.097 -1.949 -0.949 0.055 1.067 2.053 3.077 4.078 5.089 6.097 -1.949 -0.949 0.055 1.067 2.055 3.077 4.078 5.089 6.097	-1.874 -0.868 0.157 1.173 2.176 3.182 4.216 5.279 6.299 -1.875 -0.875 0.145 1.169 2.176 3.176 4.185 6.286 6.296 -1.875 -0.875 0.136 1.152 2.176 3.176 4.185 5.20 6.266 -1.888 -0.877 0.126 1.128 2.161 3.174 4.179 5.202 6.266 -1.889 -0.877 0.125 1.128 2.144 3.159 4.176 5.188 6.239 -1.898 -0.897 0.119 1.125 2.126 3.133 4.159 5.177 6.186 -1.903 -0.901 0.111 1.122 2.126 3.133 4.159 5.177 6.186 -1.904 -0.903 0.103 1.117 2.124 3.125 4.137 5.177 6.186 -1.904 -0.903 0.009 1.109 2.112 3.125 4.137 5.177 6.186 -1.907 -0.909 0.006 1.009 2.110 3.122 4.128 5.177 6.186 -1.918 -0.919 0.009 1.009 2.110 3.122 4.128 5.177 6.174 -1.921 -0.919 0.009 1.009 2.110 3.122 4.128 5.131 6.154 -1.921 -0.919 0.009 1.009 2.10 3.101 4.009 6.103 6.117 -1.921 -0.919 0.009 1.009 2.100 4.113 5.126 6.170 -1.922 -0.932 0.074 1.079 2.092 3.001 4.009 5.108 6.122 -1.934 -0.932 0.007 1.000 2.007 3.001 4.009 6.103 6.101 -1.944 -0.942 0.005 1.076 2.079 3.001 4.009 5.008 6.101 -1.945 -0.948 0.057 1.060 2.065 3.077 4.078 5.080 6.007 -1.949 -0.948 0.051 1.061 2.065 3.077 4.078 5.080 6.007 -1.949 -0.949 0.051 1.051 2.051 3.051 4.054 5.058 6.063		-1.873	0.85	0.167		•17	. 18	•	5.288	6.301	7, 322
-1,875 -0,872 0,145 1,169 2,176 3,179 4,201 5,265 6,296 -1,875 -0,875 -0,875 0,126 1,1152 2,172 3,176 4,179 5,202 6,286 -1,898 -0,887 0,126 1,1126 2,132 3,157 4,176 5,188 6,239 -1,898 -0,887 0,126 1,126 2,132 3,137 4,176 5,188 6,239 -1,902 -0,985 0,119 1,122 2,126 3,137 4,174 5,181 6,214 -1,902 -0,903 0,103 1,117 2,124 3,129 4,147 5,177 6,196 -1,901 -0,903 0,099 1,109 2,122 3,132 4,137 5,164 6,177 -1,918 -0,905 0,097 1,109 2,117 3,125 4,131 5,155 6,177 6,198 -1,932 -0,999 0,096 1,099 2,110 3,122 4,131 5,155 6,177 1,938 -0,999 0,006 1,099 3,111 4,123 5,126 4,131 5,155 6,177 -1,932 -0,926 0,078 1,099 2,110 3,122 4,131 5,155 6,177 1,932 -0,926 0,078 1,088 2,096 3,096 4,103 5,118 6,122 -1,932 -0,934 0,066 1,077 2,079 3,091 4,098 5,101 6,115 -1,947 -0,942 0,066 1,077 2,072 3,080 4,088 5,097 6,107 -1,947 -0,944 -0,942 0,065 1,067 2,065 3,077 4,078 5,088 6,097 -1,947 -0,946 0,057 1,060 2,065 3,077 4,078 5,088 6,097 -1,947 -0,946 0,057 1,067 2,065 3,077 4,078 5,088 6,097 -1,949 -0,946 0,051 1,067 2,065 3,077 4,078 5,089 6,007 -1,949 -0,946 0,057 1,061 2,065 3,077 4,078 5,089 6,097 -1,949 -0,949 0,051 1,061 2,065 3,077 4,061 5,087 6,075 -1,949 -0,949 0,051 1,061 2,063 3,077 4,061 5,087 6,075	-1.875 -0.872 0.145 1.169 2.176 3.179 4.201 5.265 6.296 6.296 -1.875 -0.875 0.130 1.152 2.172 3.176 4.185 5.202 6.286 -1.888 -0.877 0.125 1.128 2.144 3.159 4.176 5.188 6.239 6.289 -1.898 -0.8877 0.124 1.126 2.132 3.147 4.179 5.202 6.286 6.286 -1.902 -0.894 0.124 1.125 2.128 3.143 4.176 5.188 6.239 6.239 1.902 -0.903 0.103 1.117 2.124 3.129 4.177 5.177 6.196 1.904 -0.903 0.009 1.109 2.122 3.125 4.137 5.177 6.186 1.907 -1.907 -0.909 0.009 1.109 2.122 3.125 4.137 5.177 6.186 1.907 -1.907 0.009 1.009 2.117 3.125 4.137 5.176 6.187 1.908 -0.901 0.009 1.009 2.117 3.125 4.137 5.156 6.177 1.926 -0.901 0.009 1.009 2.117 3.125 4.131 5.156 6.177 1.926 -0.901 0.009 1.009 2.100 3.101 4.137 5.156 6.177 1.926 -0.901 0.009 1.009 2.100 3.101 4.131 5.156 6.137 1.926 -0.901 0.009 1.009 2.100 3.101 4.131 5.156 6.137 1.926 -0.901 0.009 1.009 2.100 3.101 4.103 5.131 6.154 1.926 -0.901 0.009 1.009 2.100 3.101 4.103 5.131 6.154 1.901 0.009 1.009 2.009 3.101 4.103 5.101 6.115 1.901 0.009 1.009 1.009 3.001 4.009 5.101 6.122 1.901 0.009 1.007 2.002 3.001 4.009 5.108 6.102 1.901 1.001 0.009 1.007 2.002 3.001 4.009 5.108 6.102 1.901 1.001 0.009 1.007 2.002 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.009 5.000 6.009 1.000 2.005 3.001 4.000 5.000 6.009 1.000 2.005 3.001 4.000 5.000 6.009 1.000 2.005 3.001 4.000 5.000 6.000 2.000 5.000 6	•	-1.874	0.86	0.157		•17	. 18		5.279	6.299	7.314
-1.875 -0.875 0.130 1.152 2.172 3.176 4.185 5.230 6.286 -1.8878 -0.875 0.0126 1.128 2.144 3.174 4.176 5.230 6.286 -1.888 -0.877 0.126 1.128 2.144 3.157 4.176 5.181 6.266 -1.902 -0.894 0.119 1.125 2.128 3.143 4.169 5.177 6.196 -1.902 -0.901 0.109 1.117 2.124 3.133 4.169 5.177 6.186 -1.904 -0.901 0.099 1.109 2.124 3.126 4.137 5.176 6.186 -1.913 -0.905 0.099 1.109 2.117 3.126 4.137 5.176 6.186 -1.913 -0.905 0.099 1.109 2.117 3.126 4.137 5.186 6.177 -1.913 -0.905 0.099 1.103 2.117 3.126 4.137 5.186 6.174	-1,875 -0,875 0,130 1,152 2,172 3,176 4,185 5,230 6,286 -1,878 -0,887 0,126 1,135 2,161 3,174 4,176 5,188 6,286 -1,898 -0,887 0,125 1,128 2,144 3,159 4,176 5,188 6,286 -1,898 -0,884 0,124 1,126 2,132 3,157 4,176 5,188 6,214 -1,902 -0,901 0,119 1,122 2,124 3,129 4,176 5,188 6,214 -1,903 -0,901 0,103 1,109 2,124 3,129 4,117 5,117 6,186 -1,913 -0,905 0,099 1,109 2,117 3,125 4,137 5,166 6,177 -1,918 -0,909 0,099 1,109 2,117 3,125 4,137 5,166 6,174 -1,918 -0,909 0,099 1,109 2,109 3,111 4,113 5,166 6,174	0	-1.875	0.87	0.145		•17	•17	4.201	5.265	6.296	7,308
-1.878 -0.875 0.126 1.135 2.161 3.174 4.179 5.202 6.266 -1.888 -0.877 0.125 1.126 2.144 3.159 4.176 5.186 6.239 -1.802 -0.884 0.124 1.125 2.126 3.137 4.156 5.186 6.239 -1.902 -0.901 0.103 1.117 2.124 3.129 4.159 5.177 6.186 -1.904 -0.903 0.009 1.109 2.122 3.129 4.147 5.170 6.186 -1.904 -0.903 0.009 1.109 2.122 3.129 4.147 5.170 6.186 -1.918 -0.905 0.009 1.109 2.122 4.137 5.154 6.177 -1.921 -0.909 0.009 1.009 2.117 3.125 4.131 5.156 6.177 -1.922 -0.909 0.009 1.009 2.107 4.131 5.156 6.177 -1.924	-1.878 -0.875 0.126 1.135 2.161 3.174 4.179 5.202 6.266 -1.888 -0.887 0.125 1.126 2.134 3.159 4.176 5.188 6.239 -1.888 -0.884 0.119 1.125 2.128 3.153 4.176 5.188 6.239 -1.902 -0.894 0.119 1.122 2.126 3.133 4.159 5.177 6.196 -1.903 -0.901 0.013 1.117 2.122 3.125 4.159 5.177 6.196 -1.904 -0.905 0.097 1.103 2.117 3.125 4.127 5.170 6.181 -1.918 -0.906 0.096 1.099 2.110 3.122 4.128 5.146 6.174 -1.924 -0.919 0.096 1.099 2.110 3.122 4.128 5.146 6.174 -1.925 -0.921 0.096 1.099 2.110 3.122 4.123 5.146 6.174	■0	-1.875	0.87	-		.17	• 17	4.185	5.230	6.286	7.302
-1,888 -0,877 0,125 1,128 2,144 3,159 4,176 5,188 6,239 -1,898 -0,895 0,1124 1,125 2,128 3,157 4,174 5,118 6,239 -1,902 -0,901 0,119 1,122 2,128 3,123 4,168 5,177 6,196 -1,904 -0,903 0,103 1,117 2,124 3,129 4,147 5,170 6,186 -1,903 0,097 1,103 2,117 3,125 4,137 5,164 6,177 -1,913 -0,905 0,099 1,103 2,117 3,125 4,137 5,164 6,177 -1,913 -0,905 0,096 1,099 2,110 3,125 4,137 5,164 6,177 -1,913 -0,905 0,096 1,096 2,099 3,111 4,123 5,134 6,174 -1,926 -0,919 0,089 1,088 2,089 3,091 4,113 5,124 6,137	-1,688 -0,6877 0,125 1,128 2,144 3,159 4,176 5,188 6,239 -1,688 -0,684 0,124 1,126 2,132 3,157 4,174 5,181 6,239 -1,903 -0,903 0,119 1,125 2,126 3,133 4,159 5,177 6,196 -1,904 -0,903 0,103 1,117 2,124 3,129 4,147 5,177 6,196 -1,904 -0,903 0,009 1,109 2,122 3,126 4,137 5,164 6,177 -1,913 -0,905 0,009 1,109 2,117 3,125 4,131 5,164 6,177 -1,914 -0,919 0,009 1,009 2,117 3,122 4,131 5,146 6,177 -1,926 -0,919 0,009 1,009 2,110 3,122 4,128 5,146 6,177 -1,926 -0,919 0,009 1,009 2,110 3,122 4,128 5,114 6,177 -1,926 -0,919 0,009 1,009 2,110 3,122 4,128 5,118 6,124 -1,932 -0,926 0,078 1,009 2,009 3,111 4,103 5,118 6,128 -1,934 -0,932 0,006 1,007 2,007 3,009 4,103 5,118 6,128 -1,944 -0,942 0,062 1,007 2,076 3,009 4,088 5,097 6,101 -1,944 -0,942 0,062 1,067 2,068 3,078 4,088 5,097 6,101 -1,949 -0,949 0,051 1,051 2,053 3,071 4,078 5,081 6,097 -1,949 -0,949 0,051 1,051 2,051 3,051 4,054 5,058 6,063 -1,949 -0,949 0,051 1,051 2,051 3,051 4,054 5,058 6,063	•	-1.878	0.87	0.126		• 16	• 17	. 17	50	6.265	7.296
-1.898 -0.884 0.124 1.126 2.132 3.157 4.174 5.181 6.214 -1.902 -0.895 0.0119 1.125 2.128 3.143 4.159 5.177 6.196 -1.903 -0.901 0.103 1.117 2.124 3.129 4.159 5.174 6.196 -1.907 -0.903 0.009 1.117 2.124 3.129 4.137 5.164 6.174 -1.913 -0.905 0.097 1.103 2.117 3.125 4.131 5.155 6.174 -1.918 -0.909 1.009 2.117 3.126 4.131 5.156 6.174 -1.918 -0.909 1.009 2.117 3.126 4.123 5.156 6.174 -1.921 -0.919 0.096 1.096 2.099 3.111 4.123 5.146 6.174 -1.924 -0.921 0.078 1.088 2.096 3.101 4.113 5.184 6.128 -1.934	-1,898 -0,884 0,124 1,126 2,132 3,143 4,174 5,181 6,214 -1,902 -0,895 0,119 1,122 2,126 3,143 4,169 5,177 6,196 -1,903 -0,901 0,111 1,117 2,126 3,133 4,159 5,177 6,196 -1,907 -0,901 0,103 1,117 2,122 3,126 4,137 5,174 6,196 -1,907 -0,905 0,099 1,109 2,122 3,126 4,137 5,164 6,174 -1,918 -0,906 0,099 1,109 2,117 3,126 4,137 5,164 6,174 -1,918 -0,906 0,099 1,099 2,117 3,126 4,137 5,156 6,174 -1,921 -0,919 0,099 1,099 2,110 3,122 4,128 5,156 6,170 -1,922 -0,919 0,099 1,096 2,099 3,111 4,113 5,154 6,113	•0	-1.888	ċ	0.125		• 1 4	• 15	.13	• 18	6.239	7,288
-1,902 -0.895 0.119 1.125 2.128 3.143 4.168 5.177 6.196 1.1903 -0.901 0.111 1.122 2.126 3.133 4.159 5.177 6.196 1.1903 -0.901 0.111 1.122 2.126 3.133 4.159 5.174 6.186 1.1904 -0.903 0.103 1.117 2.124 3.129 4.147 5.170 6.181 1.1904 -0.903 0.096 1.1099 2.112 3.126 4.137 5.164 6.177 1.1918 -0.909 0.096 1.099 2.117 3.125 4.128 5.146 6.177 1.1926 -0.919 0.089 1.096 2.099 3.111 4.123 5.131 6.154 1.1932 -0.926 0.078 1.088 2.096 3.101 4.123 5.131 6.154 1.1932 -0.932 0.078 1.081 2.089 3.091 4.098 5.108 6.122 1.1939 -0.932 0.074 1.079 2.079 3.091 4.098 5.108 6.122 1.1939 -0.932 0.066 1.075 2.079 3.084 4.088 5.108 6.107 1.1944 -0.942 0.065 1.067 2.072 3.075 4.083 5.093 6.101 1.044 -0.942 0.065 1.067 2.056 3.071 4.078 5.089 6.093 1.0949 -0.948 0.055 1.064 2.065 3.071 4.078 5.080 6.093 1.0949 -0.949 0.055 1.058 2.053 3.057 4.061 5.057 6.075	-1,902 -0.895 0.119 11.125 2.128 3.143 4.168 5.177 6.196 -1,903 -0.901 0.111 1.122 2.124 3.133 4.159 5.174 6.186 -1,904 -0.903 0.013 1.117 2.124 3.129 4.147 5.174 6.186 -1,907 -0.903 0.099 1.109 2.117 3.125 4.131 5.156 6.177 -1,918 -0.906 0.096 1.099 2.117 3.122 4.128 5.156 6.177 -1,921 -0.919 0.096 1.096 2.099 3.111 4.123 5.136 6.177 -1,922 -0.926 0.089 1.086 2.096 3.111 4.123 5.131 6.128 -1,924 -0.926 0.078 1.088 2.096 3.101 4.094 5.124 6.128 -1,934 -0.932 0.069 1.079 2.079 3.080 4.088 5.108 6.128	■0	-1.898	-0.884	0.124		• 13	. 15	•17	• 18	6.214	7.275
-1,903 -0.901 0.111 1.122 2.126 3.133 4.159 5.174 6.186 1.1904 -0.903 0.103 1.117 2.124 3.129 4.147 5.170 6.181 1.1904 -0.903 0.103 1.117 2.124 3.129 4.147 5.154 6.177 6.181 1.907 -0.905 0.0097 1.103 2.112 4.131 5.155 6.174 6.177 1.913 -0.909 0.0097 1.103 2.117 3.122 4.128 5.146 6.170 1.1925 -0.919 0.089 1.0096 2.0099 3.111 4.123 5.134 6.154 1.1932 -0.921 0.081 1.088 2.096 3.101 4.123 5.124 6.137 1.1934 -0.932 0.078 1.081 2.089 3.096 4.103 5.124 6.137 1.1934 -0.932 0.078 1.079 2.079 3.091 4.098 5.108 6.122 1.1939 -0.934 0.069 1.075 2.079 3.091 4.098 5.108 6.107 1.1944 -0.942 0.065 1.077 2.077 3.080 4.083 5.097 6.101 1.1944 -0.942 0.065 1.067 2.068 3.075 4.083 5.093 6.101 1.1949 -0.948 0.055 1.064 2.065 3.077 4.078 5.080 6.093 1.1949 -0.949 0.051 1.051 2.053 3.057 4.061 5.067 6.075	-1,903 -0.901 0.111 1.122 2.126 3.133 4.159 5.174 6.186 1.1904 -0.903 0.103 1.117 2.124 3.129 4.147 5.170 6.181 1.1904 -0.903 0.103 1.117 2.124 3.129 4.147 5.170 6.181 1.1913 -0.905 0.0099 1.1003 2.112 4.131 5.156 6.177 1.1913 -0.909 0.0099 1.1009 2.117 3.122 4.121 5.156 6.174 6.177 1.1913 -0.919 0.0089 1.0096 2.0099 3.111 4.123 5.146 6.170 1.1926 -0.919 0.0089 1.0096 2.0099 3.111 4.123 5.124 6.137 1.1932 -0.926 0.078 1.0081 2.0099 3.100 4.113 5.124 6.137 1.1934 -0.932 0.078 1.081 2.089 3.096 4.103 5.118 6.128 1.1934 -0.932 0.074 1.079 2.089 3.096 4.103 5.118 6.122 1.1934 -0.932 0.066 1.075 2.079 3.084 4.098 5.108 6.107 1.1944 -0.942 0.065 1.076 2.079 3.080 4.088 5.093 6.101 1.1944 -0.942 0.065 1.067 2.065 3.075 4.080 5.083 6.097 1.1949 -0.949 0.051 1.064 2.065 3.057 4.061 5.080 6.089 1.1949 -0.949 0.051 1.051 2.051 3.051 4.054 5.058 6.063 1.1949 -0.949 0.051 1.051 2.051 3.051 4.054 5.058 6.063		-1.902	-0.895	0.119	1.125	•12	4.4	***	. 17	961.9	7.257
-1,904 -0,903 0.103 1.117 2.124 3.129 4.147 5.170 6.181 -1,907 -0,903 0.099 1.109 2.122 3.126 4.137 5.164 6.177 -1,913 -0,905 0.099 1.103 2.117 3.125 4.131 5.156 6.177 -1,918 -0,905 0.0096 1.0099 2.110 3.122 4.131 5.146 6.177 -1,926 -0,919 0.089 1.096 2.099 3.111 4.123 5.131 6.154 -1,926 -0,926 0.078 1.096 2.099 3.101 4.123 5.131 6.154 -1,932 -0,926 0.078 1.081 2.089 3.096 4.103 5.124 6.137 -1,934 -0,932 0.078 1.079 2.089 3.096 4.103 5.118 6.128 -1,939 -0,934 0.069 1.075 2.079 3.084 4.098 5.108 6.122 -1,944 -0,942 0.066 1.077 2.072 3.084 4.083 5.097 6.107 -1,947 -0,942 0.065 1.067 2.068 3.075 4.089 5.089 -1,949 -0,948 0.055 1.064 2.068 3.075 4.075 5.080 6.089 -1,949 -0,949 0.051 1.051 2.053 3.057 4.061 5.067 6.075	-1,904 -0,903 0.103 1.117 2.124 3.129 4.147 5.170 6.181 -1,907 -0,903 0.099 1.109 2.122 3.126 4.137 5.164 6.177 -1,913 -0,905 0.099 1.109 2.112 3.125 4.131 5.156 6.177 -1,918 -0,905 0.0096 1.0099 2.110 3.122 4.131 5.156 6.177 -1,921 -0,919 0.099 1.0096 2.009 3.111 4.123 5.131 6.154 -1,922 -0,926 0.078 1.081 2.089 3.096 4.103 5.124 6.137 -1,934 -0,932 0.074 1.079 2.089 3.096 4.103 5.118 6.128 -1,939 -0,934 0.069 1.075 2.079 3.084 4.098 5.108 6.122 -1,939 -0,934 0.066 1.077 2.077 3.084 4.088 5.097 6.107 -1,944 -0,942 0.065 1.067 2.079 3.078 4.080 5.088 6.097 -1,944 -0,945 0.055 1.066 2.065 3.077 4.080 5.088 6.097 -1,949 -0,949 0.051 1.051 2.053 3.051 4.054 5.080 6.083 -1,949 -0,949 0.051 1.051 2.051 3.051 4.054 5.058 6.063	•	-1.903	106.00	0.111	1.122	12	. 13	۳.	.17	6.186	7.236
-1,907 -0,903 0.099 1.109 2.122 3.126 4.137 5.164 6.177 1.1913 -0,905 0.0097 1.103 2.117 3.125 4.131 5.156 6.177 1.1918 -1,990 0.0096 1.0099 2.110 3.122 4.128 5.146 6.177 1.1928 -0,919 0.0096 1.0096 2.0096 3.111 4.123 5.146 6.137 1.1922 -0,919 0.0081 1.0088 2.0096 3.100 4.113 5.124 6.137 1.1932 -0,932 0.078 1.081 2.089 3.096 4.103 5.118 6.128 1.1934 -0,932 0.074 1.079 2.082 3.091 4.098 5.108 6.122 1.1942 -0,934 0.066 1.077 2.079 3.084 4.088 5.097 6.107 1.1944 -0,942 0.066 1.077 2.077 3.080 4.088 5.093 6.107 1.1944 -0,942 0.065 1.067 2.068 3.075 4.080 5.083 6.097 1.1949 -0,948 0.055 1.064 2.065 3.071 4.078 5.089 6.097 1.1949 -0,948 0.055 1.058 2.062 3.057 4.061 5.067 6.075	-1,907 -0,903 0.099 1.109 2.122 3.126 4.137 5.164 6.177 1.1913 -0,905 0.0097 1.103 2.117 3.125 4.131 5.156 6.177 1.1918 -0.905 0.0095 1.1099 2.110 3.122 4.128 5.146 6.177 1.1928 -0.919 0.0096 1.0096 3.101 4.128 5.146 6.137 1.1921 -0.919 0.0081 1.0088 2.0099 3.101 4.123 5.131 6.154 1.1932 -0.926 0.078 1.081 2.089 3.096 4.103 5.124 6.137 1.1934 -0.932 0.074 1.079 2.082 3.091 4.098 5.108 6.122 1.1939 -0.934 0.069 1.075 2.079 3.084 4.094 5.101 6.115 1.1942 -0.939 0.066 1.077 2.077 3.084 4.088 5.097 6.107 1.1944 -0.942 0.065 1.067 2.068 3.075 4.088 5.093 6.101 1.1949 -0.948 0.055 1.066 2.065 3.077 4.078 5.088 6.097 1.1949 -0.949 0.051 1.051 2.053 3.051 4.054 5.080 6.097 1.1949 -0.949 0.051 1.051 2.053 3.051 4.054 5.058 6.003 1.1949 -0.949 0.051 1.051 2.051 3.051 4.054 5.058 6.063	o	-1.904	-0.903	0.103	1.117	2.124	5	4	-13	6.181	7.217
-1,913 -0,905 0.097 1.103 2.117 3.125 4.131 5.155 0.174 -1,918 -0,909 0.0096 1.0099 2.110 3.122 4.128 5.146 6.170 -1,921 -0,919 0.0089 1.0096 2.0099 3.101 4.123 5.131 6.154 -1,922 -0,926 0.078 1.008 2.0096 3.100 4.113 5.124 6.137 -1,934 -0,932 0.078 1.081 2.089 3.096 4.103 5.118 6.128 -1,939 -0,934 0.069 1.075 2.079 3.084 4.098 5.108 6.122 -1,939 -0,939 0.066 1.077 2.077 3.084 4.098 5.101 6.115 -1,944 -0,942 0.065 1.067 2.068 3.075 4.080 5.093 6.101 -1,947 -0,946 0.055 1.066 2.065 3.075 5.080 6.097 -1,949 -0,949 0.051 1.058 2.053 3.057 4.061 5.067 6.075	-1,913 -0,905 0.097 1.103 2.117 3.125 4.131 5.155 0.174 -1,918 -0,909 0.0096 1.0099 2.110 3.122 4.128 5.146 6.170 -1,921 -0,919 0.0089 1.0086 2.0099 3.111 4.123 5.131 6.154 -1,922 -0,922 0.078 1.008 2.0096 3.100 4.113 5.124 6.137 -1,934 -0,932 0.074 1.079 2.089 3.091 4.098 5.108 6.128 -1,939 -0,934 0.069 1.075 2.079 3.084 4.094 5.101 6.115 -1,942 -0,939 0.066 1.077 2.072 3.078 4.088 5.097 6.107 -1,944 -0,942 0.065 1.067 2.068 3.075 4.080 5.098 6.097 -1,949 -0,948 0.051 1.051 2.053 3.051 4.054 5.080 6.097 -1,949 -0,949 0.051 1.051 2.051 3.051 4.054 5.058 6.063	0	-1.907	06*0	•	1.109	2.122	. 12	4 • 1 37	• 10	71.	7.202
-1,918 -C,909 0,096 1,099 2,110 3,122 4,128 5,146 0,170 collected by the c	-1,918 -C,909 0.096 1.099 2.110 3.122 4.128 5.146 0.170 -1,921 -0.919 0.089 1.096 2.099 3.111 4.113 5.131 6.154 -1,926 -0.924 0.081 1.081 2.089 3.096 4.113 5.118 6.137 -1,934 -0.932 0.074 1.079 2.082 3.091 4.098 5.108 6.128 -1,934 -0.932 0.074 1.075 2.079 3.084 4.094 5.101 6.115 -1,942 -0.939 0.066 1.070 2.076 3.084 4.088 5.097 6.107 -1,944 -0.942 0.066 1.067 2.072 3.078 4.088 5.093 6.101 -1,944 -0.945 0.052 1.064 2.065 3.075 4.080 5.088 6.097 -1,949 -0.946 0.051 1.068 2.065 3.071 4.078 5.081 6.097	0	-1.913	0.00	0	1.103	2.117	2	4.131	5	6.174	161.7
-1,921 -0.919 0.089 1.096 2.099 3.111 4.123 5.131 6.154 -1,926 -C.921 0.081 1.088 2.096 3.100 4.113 5.124 6.137 -1,932 -C.926 0.078 1.081 2.089 3.096 4.103 5.118 6.128 -1,934 -0.932 0.074 1.075 2.079 3.094 4.094 5.101 6.112 -1,944 -0.939 0.066 1.077 2.076 3.084 4.084 5.093 6.107 -1,944 -0.942 0.062 1.067 2.072 3.078 4.084 5.093 6.107 -1,944 -0.942 0.057 1.064 2.068 3.075 4.080 5.088 6.097 -1,944 -0.946 0.057 1.060 2.065 3.071 4.078 5.080 6.089 -1,949 -0.948 0.055 1.058 2.053 3.057 4.061 5.087 6.075	-1,921 -0.919 0.089 1.096 2.099 3.111 4.123 5.131 6.154 -1,926 -C.921 0.081 1.088 2.096 3.100 4.113 5.124 6.137 -1,932 -C.926 0.078 1.081 2.089 3.096 4.103 5.118 6.128 -1,934 -0.932 0.074 1.075 2.079 3.094 4.094 5.101 6.112 -1,942 -0.059 1.077 2.079 3.084 4.094 5.101 6.115 -1,944 -0.942 0.065 1.067 2.072 3.078 4.084 5.088 6.107 -1,944 -0.943 0.065 1.064 2.065 3.071 4.078 5.088 6.097 -1,949 -0.946 0.057 1.060 2.065 3.071 4.078 5.080 6.093 -1,949 -0.948 0.055 1.058 2.052 3.057 4.061 5.067 6.075 -1,949 -0.949 0.051 1.051 2.051 3.051 4.054 <	•	-1.918	06.0	9	•	2.110	. 12	4.128	*	0.1.0	4.134
-1,926 -C,921 0.081 1.088 2.096 3.100 4.113 5.124 6.137 -1,932 -C,926 0.078 1.081 2.089 3.096 4.103 5.118 6.128 -1,934 -0.932 0.074 1.079 2.082 3.091 4.098 5.108 6.122 -1,942 -0.034 0.066 1.077 2.076 3.084 4.084 5.097 6.115 -1,944 -0.942 0.062 1.067 2.072 3.078 4.086 5.088 6.107 -1,944 -0.946 0.057 1.060 2.065 3.071 4.078 5.080 6.093 -1,949 -0.946 0.055 1.058 2.062 3.057 4.075 5.080 6.089 -1,949 -0.949 0.051 1.051 2.053 3.057 4.061 5.067 6.075	-1,926 -C,921 0.081 1.088 2.096 3.100 4.113 5.124 6.137 -1,932 -C,926 0.078 1.081 2.089 3.096 4.103 5.118 6.128 -1,934 -0.932 0.074 1.079 2.082 3.091 4.098 5.108 6.122 -1,942 -0.934 0.069 1.077 2.076 3.084 4.094 5.101 6.115 -1,944 -0.942 0.066 1.067 2.072 3.078 4.083 5.093 6.101 -1,947 -0.943 0.057 1.064 2.068 3.071 4.078 5.088 6.097 -1,949 -0.946 0.057 1.060 2.065 3.071 4.078 5.080 6.093 -1,949 -0.948 0.055 1.058 2.052 3.057 4.061 5.067 6.075 -1,949 -0.949 0.051 1.051 2.051 3.051 4.054 5.058 6.055	•	-1.921	16.0	0	• 00	•	3,111	4.123	. 13	2	
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6000	10.569	10.569	**	***	***	***	***	**	* ***	乔女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女
2000	10.641	9	10.636	.63	10.636	****	***	* ***	₩**	***
8000	11.033			9	10.694	•	69•	* * * * * * * * * * * * * * * * * * * *	₩ *	***
0006	11.920	11.436	0	10.766	10.747			0	10.745	**
	12,055	11,992	1 • 64	•	10.830	•	6	10.791		167.01
	12.067	12.061	0		7	10.877		10.833	0	10,832
2000	12.072	12.071	90	0 0	٠	11.122	9	10.674	0	000001
	12.077	12.077	9	8	6		0	10.927		٠
14000	12.084	12.081	0	• 07	0.05		1.3	11.025	46.	D (
2000	12.116	12.089	80	9	N	12.026	7.7	11.21	000	.
0009	12,258	12.117	5.09	2.09	2	12.071	Ĉ.	11.489	01.1	
1 7000	12.440	12,225	~	٩	12 094	12.088	12.035	11.745	,	11.000
18000	12.506	12,357	.18	N.	12,099	12.096	12.075	116.11	1.40	110133
19000	12,523	12.490	m		Š	12.102	0	2.014	1001	11.239
20000	12.528	12,519	12.450	α.	N	12,138	•	* 00 ×	, g	11.377
21000	12,532	12,529	12,506	6		12,118	7	12.089	94	11.531
22000	12.536	12,533	ıű	4	w	12,136	12.116	12,103	2.01	11.681
23000	12,548	12,537	12.534	500	12,365	12,173	~	12, 113	0 0	11.810
24000	12.581	12.544	ŝ	•	12,451	12.240	7	12.121	ç	11,909
25000	12,655	12.559	12.543	•	12.500	12,328	7	12 120	2.10	11,981
26000	12.742	12.598	55	• 54	12,525	12.413	ů	12 139	2.11	12.032
27000	12.797	12,667	N.	•	.53	12.473	•	12,153	2.12	12,066
28000	12.820	12.743	12.600	12,554	12.545	12,509	•	12,176	13	12.091
29000	12,830	12.794	9	12,567	12.551	12.530	.41	12,210	14	12.109
30000	12.835	12.819	Q	12.592	12.557	12,542	12.464	12.257	.15	12,122
32000	12.843	12.837	8	12.690	12.581	12,557	.52	12,372	61.	12,144
34000	12.868	12.846	12,837	12.788	12.644	12,573	•	12.467	•	12,166
36000	12,952	12.865	12,848	.83	12.740	12.606	• 56	12,523	35	12, 196
38000	13.038	12.926	12.861	12.847	12.808	12.672	å	12,552	•	12,241
40000	13.070	13.013	12.858	12.858	.83	12.752	12.616	12 570	640	12,301
4 2000	13,081	13.061	12,971	.87	12 854	12.809	•	12.58⊤	53	12,369
44000	13.093	13.079	13.037	• 92	12,867	12.840	12.735	12.612	56	12,433
46000	13.127	13.089	13.070	12.989	.88	12.857	12.793	12.649	12.580	12,485
4 80 00	13.188	13.107	13.084	•	.92	12,871	12.830	12.700	9	12,524
50000	13,239	13.148	13.096	13.072	12,985	12,890	12.853	12,753	.62	12,553
55000	13.279	13.258	13.179	13.108	13.078	12,989	12.894	12.843	12.715	8
00009	13.340	13.288	13.265	٠		13.076	12.973	12.888	8	12,005
65000	13.422	13,355	13,295	QI.	13,186	13.115	13.060	12.945	86	74
70000	13.462	13.426	13,356	٠	• 26	13.173	13.107	13.02B	6	12,818
75000	13.539	13.467	13.425	rr)	Š	13.243	13.148	13.085	96	87
80000	13.582	13,537	13.466	. 41	33.3	13,287	13.209	13,125	03	12,914
	13.620	13.581	ွှ	•	13,892	13,317	13,265	13,167	90	ŏ
00006	13.675	13.614	ະດ	•	• 4 4	13,360	13,300	13 220	• 15	5
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125000	13.721	13.721	13.721	13.717	13.693	13.630	5	The off	13.370	13,280
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ATOMIC SWE-LES

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6000	0.753	0.753	****	*****	***	***	***	***	****	***	
7000		0.756	0.756	0.756	0.756	***	***	***	***	* * * * * * *	
8000	0.759	692.0	0.759	0.759	0.759	0.759	0.759	***	****	***	
■ 0006	0.761	0.761	0.761	0.761	0.761	0.761	0.761	0.761	• 76	***	
10000	• 76	0.762	0.762	0.762	0.762	0.762	0.762	0.762	0.762	0.762	
11000	0.764	0.764	0.764	0.764	0.764	0.764	0.764	0.764	120	0.764	
12000	0.765	0.765	992.0	0.765	0.765	0.765	0.765	0.765	0.765	0.765	
13000	0.766	0.766	0.766	0.766	0.766	0.766	0.766	0.766	0.766	0.766	
14000	191.0	191.0	192.0	0.767	191.0	0.767	0.767	0.767	0.767	0.767	
15000	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768	
16000	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768	0.768	
17000	692.0	692.0	0.769	0.769	0.769	0.769	0.769	0.769	0.769	0.769	
18000	692.0	0.769	0.769	0.769	0.769	692.0	0.769	0.769	0.769	0.769	
19000	0.770	0.770	0.770	0.770	0.770	0.773	0.770	0.770	0.770	0.770	
20000	.77	0.771	0.770	0.770	0.770	0.770	0.770	0.770	0.770	0.770	
21000	0.774	0.772	0.771	0.771	0.771	0.771	0.771	0.771	0.771	0.771	
22000	0.781	0.774	0.772	0.771	0.771	0.771	0.771	0.771	0.771	0.771	
2 m0 00 m	0.798	0.780	0.774	0.772	0.771	0.771	0.771	0.771	0.771	0.771	
29000	83	0.792	0.778	0.774	0.772	0.772	0.772	0.771	0.771	0.771	
25000	0.907	0.818	0.787	0.777	0.773	0.772	0.772	0.772	0.772	0.772	
26000	10.	C. 865	0.803	0.782	0.775	0.773	0.772	0.772	0.772	0.772	
27000	16	0.947	0.833	0.792	0.779	0.774	0.773	0.772	0.772	0.772	
28000	1.343	1.052	0.882	0.810	0.785	0.777	0.774	0.773	0.773	0.773	
29000	1.547	1.188	096.0	0.839	0.795	0.780	0.775	0.773	0.773	0.773	
00000	•75	1.349	1.059	0.884	0.811	0.786	0.777	0.774	0.773	0.773	
32000	.17	1.710		1.038	0.872	0.808	0.785	0.777	0.775	0.774	
■ 0000€	2.553	2.072	1.618	1.244	0.989	0.854	0.802	0.783	0.777	0.775	
36000	.89	2.408	1.931	1.496	1.160	0.938	0.834	0.795	0.782	0.777	
000mm	919	2.711	2.228	1.762	1.357	1.065	0.888	0.817	0.420	0.781	
0000	3.479	5.999	2.500	2.022	1.576	1.224	0.973	0.852	0.803	0.787	
0000 4	3.735	3.236	2.752	2.266	1.798	1.393	1.089	906.0	0.823	0.796	
00000	3.968	3.470	2.985	2.490	2.013	1.575	1.210	0.973	0.857	0.809	
46000	4.177	3,683	3.185	2.703	2,215	1.759	1.354	1.060	0.895	0.829	
4 8000	4.364	3.877	3.380	2.895	2.402	1.939	1.514	1,163	0.950	0.854	
20000	4.545	4.050	3.561	3.068	2.582	2.109	1.663	1.275	1.017	0.888	
5 5000	4.940	4.442	3.969	3.456	2.966	2.486	5.009	1.576	1.224	1.004	
9000	5.287	4.770	4.274	3,799	3,288	2.810	2.326	1.872	1.457	1.227	
6 5000	5.544	5.044	4.551	4.056	3.584	3.087	2 • 606	2,133	69.	1.413	
₹ 0000 €	982.5	5.287	4.811	4.295	3.799	3,317	2 • 839	2,362	06.	1.595	
1 5000	5.988	5.498	4.999	4.526	4.008	3.517	•05	2,558	.10	1.765	
8 0000	6.173	5.674	5.184	4.685	4.217	3.704	.23	2.737	-27	1 • 921	
8 HO 00	6.330	6.839	5.342	4.850	4.350	3,864	3.370	2.904	.43	2,063	
00000	6.477	5.980	5.486	4.993	4.497	• 03	.51	3.036	.57	2.191	
00 0m o	6.610	6.110	5.616	5,119	4.628	4.135	-	3,180	. 68	2.308	
000	•73	6.230	5.729	5.237	1	, 25	• 78	.27	• 19	2,413	
2	-	6.692	7	5.691	0	9	N	-	27	2,821	
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ATOMIC SPECIES :

T WE'G W/LOG DA	000 8-000	000 e 1	000.01	0000	0 0 0 0 0 0	0000 m	0000	0 0 0 0	0000	7.000
8000	0.603	0.603	0.603	0.603	0.603	0.603	0.603	*****	****	***
9000	0.604	0.604	0.604	0.604	0.604	. 60	0.604	. 60	0.604	***
10000	0.605	0.605	9.60	0.605	9	9	•	. 60	0.605	
11000	9	6.607	0.607		0.607	69	99	0.607	0.607	9
12000	9	0.610	0.610	0.610	0.610	٠	0.610	0.610	0.610	61
13000	0.614	0.614	0.614	0.614	0.614	0.614	61		0.614	0.614
14000	0.619	0.619	0.619	0.619	0.619	0.619	0.619	19.	0.619	0.619
15000	0.625	0.625	0.625	0.625	0.625	•	0.625		0.625	0.625
16000	့	63	0.631	0.631	.63	•	0.631	0.631	0.631	0.631
17000	0.638	•	.63	0.638	0.638	.63	0.638	0.638	0.638	0.638
18000	0.645	0.645	0.645	0.645	•64		0.645	• 64	0.645	0.645
19000	0.654	0.654	•65	0.654	0.654	•	0.654	•	0.654	0.654
20000	0.662	0.662	•	0.662	0.662	0.662	0.662	0.662	0.662	0.662
21000	0.671	0.671	•	0.671	0.671		0.671	•67	190	0.671
22000	0.680	0.680	0.680	0.680	0.680	۰	.68	0.680	.68	0.680
23000	0.690	0.690	0.690	069.0	069.0	0.690	0690	•	69	0.690
24000	669.0	669°D	0.699	669.0	0.699		6690	0.699	69.	0.699
25000₽	602.0	602.0	0.709	0.709	0.709	•	0.709	• 70	.70	0.709
26000	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718
27000	0.728	0.728	0.728	0.728	0.728	0.728	0.728	0.728	.72	0.728
28000	0.738	C.738	0.738	0.738	0.738	0.738	0 738	0.738	.73	0.738
29000	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	.74	0.747
30000	0.757	0.757	0.757	0.757	0.757	0.757	0.757	0.757	. 75	0.757
32000	0.775	0.775	0.775	0.775	0.775	0.775	0.775	0.775	.77	0.775
34000	0.793	0.793	0.793	0.793	0.793	0.793	0 793	0.793	9.79	0. 793
36000	0.810	0.810	0.810	0.810	0.810	0.810	0.810		.81	0.810
38000	0.826	0.826	0.826	0.826	0.826	0.826	0.826	0.826	. 82	0.826
40000	0.842	0.842	0.842	0.842	0.842	٠	0.842	•	0.842	0.842
42000	0.858	0.857	0.857	0.857	0.857	0.857	•	0.857	.85	0.857
44000	0.873		0.872	0.871	•	٠	0,871	0.871	.81	0.871
46000	068.0	0.887	0.886	0.885	0.885	0.885	0.885	0.885	0.885	0.885
48000	0.912	0.903	006.0	0.899		•	0.898	0.898	0.898	0.898
50000	0.944	0.922	0.914	0.912	0.911	•	٠	0.911	.0	0.911
55000.	10141	1.015	996.0	0.949	0.943	0.941	•	٠	0.940	0.940
60000	1.594	1.271	1.087	1.011	0.981		0.968	196.0	0.967	0.967
65000	2.130	1.0712	1,362	1.144		1.010	0.997	٠	66.	0.992
10000	2.660	2.186	1.761	1.402		1.074	1.034	•	1.016	1.015
7 50 00 #	3,125	2.642	2.172	1.752	1.399	1.188		.00	• 0 4	1.037
80000	3.544	3.048	2.567	2.105	1.698	. •	1,183	1.100		1.060
85000	3.907	4	2.926	2.448	2.000	1.605	•	1-171	1.107	1.085
200006	4.239	.74	3.251	2.767	•29	•	6	1.268	1.157	1.114
95000	4.537	4.037	3.544	3.051	• 57	2.117	1.712	0	1.226	1.151
1000001	4.806	4.306	3.806		2.836	m	92	•	1.313	•
1250004	5.834	5.334	4.834	4.334	3.834	٠	2.865	2,395	1.964	1.606
150000:	6.527	6.026	5.526	5.026	4.526	4.026	• 52	•	2.584	2,137

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SPECIES

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DEG <th>000 • 87 1</th> <th>00 0. 1</th> <th>0 e 0 I</th> <th>0000-1</th> <th>2.000</th> <th>0 0 0 0</th> <th>0000</th> <th>0 0 0 h</th> <th>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th>2. 0000</th>	000 • 87 1	00 0. 1	0 e 0 I	0000-1	2.000	0 0 0 0	0000	0 0 0 h	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2. 0000
9009	0.692	0.692	*****	***	****	****	****	****	****	****
2000	0.704	0.704	0.704	0=704	9.704	****	****	***	****	***
8000	0.712	0.712	•71	0=712	0.712	0.712	0.712	***	****	**
0006	0.719	0.719	0.7.19	0 719	0.719	0.719	,	0.719	.71	*
10000	0.725		.72	0 725	0.725	0.725	6	0.725	• 72	0.725
11000	0.730	M	0.730	0 730	0.730	0.730		0.730	.73	٠
12000	0.734		0.734	0 734	0.734	0.734	6	0.734	.73	
13000	0.737	0.737	0.737	0 737	٠,	0.737	-	0.737	.73	0.737
	0.740	.74	0.740	0 740	0.740	0.740	0.740	0.740	• 74	0.740
15000	0.742	0.742	0.742	0 742	0.742	0.742	6	0.742	• ₹4	
	0.745	.74	0.745	0 745	0.745	0.745		0.745	. 74	
	242.0	•	0.747	747	0.747	747.0	0.747	0.747		0.747
18000	0.749	•74	0.749	0=749	0.749	0.749		0.749	•74	0.749
	0.750	75	.75	0 750	0.750	0 750		0.750	7.5	0.750
	0.752	0.752	0.752	0=752	0.752	0 752		0.752	. 75	0.752
	0 • 753		0.753	0=753	0.753	0 153	0.753	0.753	.75	0.753
22000	0.755	.75	992.0	0 755	0.755	0 155		0.755	. 75	0.755
23000	0.757	0.757	192.0	0 757	0.757	0 757		0.757	• 75	0.757
24000	0.758		0.758	0 758	0.758	0 758		0.758	37.5	
	0.760	.76	0.760	0 760	0.760	0 760	0.760	0.760	• 76	
26000	0.761		0.761	0 761	0.761	0 761	0.761	0.761	• 76	0.761
	0.763	0.763	0.763	0 763	0.763	0 763	0.763	0.763	0.763	
28000	0.764	0.764	0.764	0 764	0.764	764	0.764	0.764	• 76	
	0.766	0.766	0.766	0 766	0.766	992=0	0.766	0.766	• 76	
	892.0	• 76	0.768	0 768	0.768	0=768	0.768	0.768	•76	•
	9.772	0.772	0.772	0=772	0.772	0 172	0.772	0.772	.77	
34000	9.776	0.776	0.776	0=776	0.776	0 776	•	0.776	0.776	•
36000	0.780	.78	0.780	0 780	0.780	0 780	0.780	0.780	.78	•
38000	0.785	.78	0.785	0 785	0.785	0 785	0.785	0.785	.78	0.785
40000	0.190	0.190	0.790	0 190	0.790	062 0		0.40	• 79	•
	0.796	0.796	952.0		0.796	962-0	•	0.796	.79	٠.
44000	0.801	0.801	0.801	0 801	8	0 801		0.801	.80	0.801
46000	0.807	0.807	0.807	0 807	8		0.807	0.807	. 80	0.807
48000	0.814	C.814	.81		8	•	0.814	0.814	. 81	0.814
50000	0.820	.82	0.820		æ	0 820	٠	0.820	82	•
55000	0.837	8	m	83	•			0.837	.83	•
	0.854	885	0.854	85	•		0.854	8	• 85	89
65000	0.872	0.872	0.872	0 872	8		٠	ø	.87	٠
10000	0.890	.89	0.890	0=890	0.890			8	.89	
75000	606.0	Q	96	0=908	• 90		806*0	0.908	. 90	6
80000	0.931	0.927	0.926	0 925	0.925		•	6	0.925	6
	0.965	6	0.945	0 943	2			6	46.	
	1.028		196.0	0 962	096.0		0.959	0	0.959	0.959
95000	1.149	1.040	166.0	0 985	.97	•	6	0.975	.97	•
100001	1.347		1 • 045	1 009	266.0		66.	66.	66.	66.
125000	2.745	2.264	-	1 459	1.232	1 125	0	0	1.064	1.062
150000	3.838	40	2.845	2 362	1.913		1.306	1.189	• 14	Ω

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ATOMIC SPECIES :

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80 00	-0.024	0	00.0	0.0	00	00	00.	*	****	***
0006	-0.543	60 3-	O	-0.001	-0.000		-0.000	000 0-	000.0-	***
10000	-1.728	52 0-	184	-0.022	-0.002	-0.000	000.0-	0		-0.000
11000	-2.812	-181	-0 876	-0.218	-0.028	E00.0-	0000-0-	8	00.	-0.000
12000	-3.726	rv I	-1.740	-0.807	-0.189	-0.023	-0.002	8	0	
13000	-4.487	-3.50	-2.515	. 53	•63	. 12	.01	-0 002	000 01	•
14000	-5.088	-4.15	-3.183	-2.195	N	-0.415	-0.066	2	ò	٥
15000	-5,516	-4.6	642.6-	-2.777	-1.794	-0.860	-0.216	6	E00 01	0
16000	-5.888	40.4	•	-3.275	0	-1.336	4	B 08	11001	0
17000	-6.435	נו I	-4.553	-3.687	S	-1.782	-0.857	23	1E0 01	0
18000	-7.166	-5.79	-4.832	-4.015	•12	-2.181	•		940 01	0
19000	-7.877	ı	1-5-1	-4.270	.43	. 53	Ø	•	•	0.0
20000	-8.528	t	Į.	-4.515	9	.82	0	0	~	0
21000	-9,123	ı	9	-4.812	• 90	0	918	-	•	0
22000=	699.6-)	1	-5.205	7	S S	4.2		•	0
23000	-10.181	4	-7	-5.663	-4.372	• 45	Ç		958 01	0
24000	-10.687		-7.627	-6.113	-4.686	• 63	.82		1 059	-0.356
25000	-11.209		-8.058	-6.548	-5.065	.83	6			4.0
26000	-11.883	•	-8.463	-6.947	-5.446	-4.082	• 12		. 42	-0.630
27000	-12,655	,	-8.850	-7.320	-5.812	-4.358	-3.279	* +3	-1.582	7
28000	-13.426	-11,088	-9.237	-7.672	-6.159	-4.682	-3.452	-2.558	-1.723	-0.915
29000	-14,176	1	10-647	-8.009	-6.487	766.4-	-3.644		85	-1.049
30000	-14.890	1	-10.133	-8.350	-6.797	-5.296	-3.884	8	8	
32000	-16.206	1	-11.266	-9.061	-7.393	-5.858	-4.369	8	116	•
34000	-17.414	14.88	-12,391	-9.978	-7.975	-6.372	-4.860	-3.444	S	-1.590
36000	-18.657	15,95	-13-437	-10.959	-8.655	86	-5,316	ø,	-	-1.758
	-20.086	-17.028	114 401	-11.886	-9.456	-7,382	-5.741	n	-2 837	-1,915
00000	-21,566	-18,229	-15,328	• 75	-10.275	•97	-6.151	Š	133	-2.078
4.2000	-22.972	-19,515	-16,308	-13.573	ó	-8.634		۰	-3.435	-2,259
4 4000	-24.287	8	-17.390	m	-	• 30	•06	-5.33Z	47.	-2.459
6000	-25.560	1.99	~		· cu	9,95	•38	•	40.4	å
* 0000 v	-26.882	3.10	Ċ.	6.18		-10.579	7	ø	4	2.91
50000	-28.284	23	-20.609	-17.127	-13,913	1.17	.65		19	4
	-31,726	9	3.0	-19,376	68.	.67	96		34	. 7
90009	-34 • 862	-30,219	ທ	-21,507	7.79	'n	1.20		ø	•
02009	-38.169	5.99	8.28	3.79	9	5.93	2.54	ő.	-7.018	
20000	-41.373	-35.867		-26,005	• 55	-17.492		ċ	82	-5.509
75000	-44.575	œ	339.1	• 07	45	9.10	5.20	1.67	?	91
80000	•	-41.507	10	0.21	m	0.7	6.47	2.77	9.52	ó
	-50.975	8	1	•36	0.5	2.27	7.83	13.84	• 40	30
	-54 • 108		•62	-34.483	8.88	3.74	.15	4.91	1.14	96.
95000	-57.201	06	•	6.64	0.07	5.29	.41	0	0	• 64
00000	-60.087	C)	IJ)		• 53	6.83	69.	4.09	86	Or .
25000	-4	3.87	m.	-48.886	-41,508	ıÜ.	•	22,33	17.14	-12,706
150000	- AA - OOO	-11-686	-64-187	-56.681	-40-177	167-14-	705 75	-27-639	-21+364	-16.001

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-42.967 -38.660 -34.950 -26.352 -24.113 -22.096 -17,205 -15,897 -11.833 -11.021 -10.273 -9.575 -8.311 -7.195 -6.205 -5.330 -4.565 -3.904 -3.341 -14.724 -13.668 -2.449 -0.802 -0.129 +0.108 -0.147 -20,283 -18,666 -12,710 -1.350 7.000 -28,873 -0.223 -45.280 -40.192 -35.865 -26.040 -23.525 -21.303 1112 1116 1106 1117 1106 -1.361 -1.056 -0.485 -14.819 -0.191 -0.154 -0.587 6.000 -28.890 -19.350 -16.149 -0.078 -32-137 -17.641 -1.194 -1.524 -42.404 -37.304 -32.967 -23.199 -20.789 -18.735 -8.648 -7.811 -7.037 -6.325 -5.676 -2.428 -1.924 -1.480 -1.090 -55.900 -15.403 -12,745 -10.530 -3.700 -0.049 -0.326 -1.495 -0.498 -0.309 -1.079 5.000 *** -29.236 -26.003 -16.961 -0.088 -8.876 -2.417 -39.468 -34.363 -30.032 -20.646 -18.465 -16.569 -14.885 -13.370 -11.995 -10.742 -9.595 -6.702 -5.915 -5.224 -4.625 -4.108 -3.255 -2.553 -0.588 -0.588 -52.978 -8.542 -0.088 -0.048 -0.190 -23.232 -1.945 -1.413 -0.044 -1.613 -2.178 4.000 -4.019 -12,696 -2.801 -0-171 -1.081 -3 696 -4 435 -5 160 -5 955 -11 800 -36 498 -31 409 -27 167 -23 712 -20 96 3_000 -50.013 -0.541 -4Z • 596 -0.256 -12.550 -10.883 -9.382 -8.038 -18.841 -16.489 -14.408 -4.392 -3.811 -3.290 -2.812 -2.370 -0.035 -0.016 -0.018 -0.267 -0.958 -1.758 -47.031 -39.613 -33.536 -24.686 -1.959 -5.405 -9.528 -15.751 -21.479 ****** -5.063 -0.269 2.000 -0.644 -0.096 -0.044 -0.116 -2,599 -3,583 -4.544 -7,335 -5.871 -3.331 -2.784 -2.279 -1.812 -0.012 -0.012 -0.035 -44.039 -36.639 -30.732 -26.210 -0.998 -0.127 -0.301 -7.452 -8.679 -12.804 -20.131 -25.976 ****** 1.000 -1.383 -0.976 -1.933 -5.297 -2.946 -6,317 -9.957 ****** -62.082 -50.273 -41.052 -33.803 -28.392 -24.145 -0.015 -0.017 -0.075 -0.255 -0.600 -1.041 -1.498 -1.945 -3.112 -7.121 -8.486 -9.921 -11.439 -20.575 -17.506 -0.278 -4.572 -16.476 0000-0--1_000 00000 -74 753 -59 084 -4T 277 -35.587 -29.350 -24.301 -20.138 -16.574 -3.772 -3.772 -4.578 -16.113 -18.305 -20.586 -0.684 -11.893 -2_000 -10.855 -8.632 -6.569 -10.026 -39.475 -1.911 -2,495 -8.201 PE **5**500 85000 90000 \$5000 125000 OEG

ATOMIC SPECIES

-2.000
80.000 - 80.000
03 150.679 162.684 166.024
-51.622 -54.629
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166.86
155 156.4 to 150.4 to
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76 -19.729 -22.063
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-13,531 -15
-11.831 -13
-10.273 -12
-E.846 -10.
17 -7.559 -9.500
-6.440
-5.512
-4.753
-4.105
-5.956
-2.039 -
-1.210
-0.558
-0.185
-0.052
23 -0.016 -0.126
-0.905
-
-4.460
52 -5.933 -4.008
-7.439
-9.022
,
-12.128
-17.244 -13.788 -10.594
-20.754 -17.25
-29.067 -25.567 -22.067

ATOMIC SPECIES : N8 6

T DEG K/LOG PE	-2	0000	0	000	8 • 000	000 m	4.000	0 0 *	0 0 0 9	7.000
14000	-69.518	-73.517	-77.517	-80.000	-80.000	-80.000	-80.000	-80.000	-80 000	-80.000
1,5000.	-61,351	-65	-69.332	-73.332	-77.337	-80.000	-80.000	-80.000	-80 000	-80.000
10009	-54.296		-62.154	-66.152	-70.152	-74.167	-80.000	-80.000	-80 000	-80.000
17000	-48,363	-51.903	-55.813	-59.802	-63.800	-67.804	-71.854	-76.169	-80 000	-80.000
18000	-43,335	1	-50.201	-54.148	-58.141	-62.140	-66.156	-70.315	-74 866	-80.000
19000	-38.904	-41.957	-45.290	-49.093	-53.067	-57.063	-61.066	-65.136	20	-74.202
20000	-34.923	-37,937	-41.056	-44.589	-48.495	-52.483	-56.480	-60.508		-69,325
21000.	-31 .317	-34.320	-37,358	-40.624	-44.369	-48,331	-52.324	-56.332		-64.939
22000	-28.034	-31,033	-34.045	-37.153	-40.659	-44.554	-48.538	-52,536		- 60.950
23000.	-25.039	-28.028	-31.031	-34.072	-37,353	-41.112	-45.075	-49.066	-53 092	-57,329
24000	-22.316	-25.271	-28.268	-31.284	-34.418	-37,982	-41.896	-45.880	-49 884	-54.030
25000.	-19.889		-25.723	-20 720	-31.789	-35,152	-38.973	-42.943	-46 936	-51.019
26000.	-17.791		-23.374	-26.370	-29,397	-32.605	-36.286	-40.228	-44=212	-48.253
27000.	-15,982	-16.367	-21.204	-24.185	-27.196	-30.307	-33.820	-37.712	-41 586	-45,701
28000	-14.371	-16.559	-19.212	-22.156	-25.156	-28.214	-31.566	-35,376	33	-43,330
29000	-12.898	-14.978	-17.408	-20.271	-23.257	-26.286	-29.510	-33,208	-37 147	-41.126
30000	-11.531	-13.564	-15.804	-18.524	-21.485	-24,496	-27.632	-31.197	-35 101	-39.069
32000.	-9.058	-11.060	-13-117	-15.465	-18.279	-21.260	-24.305	-27.616	30	-35,334
34000	-6.901	-8.868	-10.878	-12.990	-15.506	-18.407	-21.413	-24.557	-28 135	-32,031
36000	-5.129	-6.938	-8.916	-10.945	-13.178	-15.890	-18.852	-21.911	-25 283	-29.090
38000	-3.840	-5.297	-7.173	-9.168	-11.252	-13.696	-16.567	-19.578	-22 190	-26,462
40000	-2.869	-4.032	-5.647	-7.584	909.6-	-11.827	-14.526	-17.491	-20= (500	-24-113
42000.	-2.045	-3.087	-4.389	-6.168	-8.150	-10.244	-12.721	-15.609	-18=(554	-22.014
44000	-1.319	-2,312	-3.422	-4.935	-6.839	-8.869	-11.148	-13.907	-16 904	-20.138
46000	-0.712	-1.632	-2.660	-3.920	-5.663	-7.644	-9.788	-12,375	-15 314	-18.456
48000	-0.298	-1.037	-2.013	-3.119	-4.629	-6.535	-8.599	-11.007	-13 864	-16,937
50000	-0.101	-0.559	-1.440	-2.468	-3.758	-5.531	-7.538	-9.796	-12 538	-15.556
55000.	-0.017	650.0-	-0.385	-1.189	-2.208	-3.505	-5.290	-7.332	-9 723	-12.576
.00009	-0.189	-0.028	-0.053	DAF -0-	-1.132	-2.158	-3.550	-5.406	-7 542	- 10 1 42
65000	-0.913	-0.234	-0.036	90 0	-0.403	-1.226	-2.322	-3.860	-5 856	-8.159
70000	-1.892	-0.886	-0.221	-0 038	-0.100	-0.548	-1.453	-2.682	-4=426	-6.558
75000.	-3.128	-1.747	-0.756	-0 167	-0.041	-0.183	-0.800	-1.823	-3#286	-5.246
80000	-4.651	-2.825	-1.488	-0.558	-0.104	-0.063	-0.362	-1.177	-2 393	-4.152
85000.	-6.213	-4.141	-2.386	-1.149	-0.343	-0.363	-0.142	-0.687	-1 710	-3,239
•00006	-7.902	-5.499	-3.491	-1.867	-0.173	-0.171	690.0-	-0.353	-1 180	-2.490
95000	-9.625	-6.933	-4.659	-2.751	-1.323	-0.424	-0.082	-0.169	-0 767	-1.890
100000	-11.174	-8.435	-5.861	-3.735	-1.990	-0.806	-0.181	-0.093	_	-1.409
125000.	-16.588	-14.069	-11.515		-6.238		-2.019	*73		-0.212
150000	-20.150	-17.648	-15-143	-12 626	-10.078	-7.473	-4.903	-2.730	-1, 108	-0.270

7.000	- 80.000 - 80.000 - 80.000 - 80.000 - 80.000 - 72.000 - 72.000 - 55.347 - 40.452 - 47.40 - 116.298 - 116.298	SK K K K S
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ATOMIC SPECIES : NE 8

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25000	-68,335		-78.168	-80.000	-80.000	-80.000	000 ■ 08-	-80.000	000.08-	-80.000
26000	-63,321	-67,963	-72.903	-77.900	-80.000	-80.000	-80, 000	-80.000	-80.000	-80.000
27000	-58.809		-68.032	-73.013	-78.023	-80.000	-80 000	-80.000	-80.000	-80.000
28000	-54.687		-63.527	-68.471	-73.471	-80.000	-80 300	-80.000	-80.000	-80.000
29000	-50.872		-59.382	-64.245	-69.231	-74.259	-80 300	-80.000	-80.000	-80.000
00000	-47.317	1	-55.590	-60.310	-65.270	-70.231	-75 416	-80.000	-80.000	-80.000
32000	-40.872		-48.931	-53,279	-58.094	-63.074	-68 118	-73.426	-80.000	-80.000
34000	-35.204		-43.180	-47.292	-51.808	-56.710	-61 714	-66.855	-72.428	-80.000
36000	-30.304		-38.091	-42,120	-46.352	-51.064	-56 025	-61.081	-66.447	-72.243
38000	-26.210	-29.667	-33.543	-37,538	-41.621	-46.065	-50 335	-55.943	-61.149	-66.811
40000	-22.709	1	-29.487	-33,424	-37.446	-41.667	-46 364	-51.327	-56.430	-61.932
42000	-19,591		-25.935	-29.715	-33,696	-37,790	-42 266	-47.152	-52,191	-57.539
00044	-16.776	-19.769	-22.879	-26,392	-30.296	-34.326	-38 504	-43,361	-48. 351	-53.573
46000	-14.258		-20.206	-23.465	-27.208	-31,189	-35 332	-39.917	-44.850	-49.979
48000	-12,088		-17.802	-20,908	-24.418	-28.324	-32 387	-36.793	-41.644	-46.705
50000	-10.272	-12,730	-15.610	-18.639	-21.928	-25.701	-29 707	-33.963	-38.700	-43.705
55000	-6.643		-111.011	-13.814	-16.833	-20.130	-23.914	-27.954	-32,341	-37,183
00009	-3.844	-5.684	802-2-	-10.005	-12,788	-15.823	-19-204	-23.058	-27.190	-31.780
65000	-2.042	-3,363	-5.165	-7.193	-9.532	-12,355	-15.450	-18.987	-22.948	-27.270
70000	-0.844	-1.838	-3-173	-4.990	-7.051	-9.499	-12.403	-15.631	-19,371	-23.493
75000	-0.184		-1.811	-3.222	-5.096	-7.237	-9.354	-12.876	-16.334	-20.285
80000	-0.044		-0.875	-1.944	-3.490	-5.449	-7-747	-10.560	-13.773	-17,523
85000	-0.141	-0.054	-0.294	-1.056	-2.249	-3.969	-6-047	-8.590	-11.610	-15.130
00006	-0.554		-0.081	-0.452	-1.357	-2.754	-4.651	-6.934	-9.757	-13,059
95000	-1.191	-0.390	420.0-	-0.151	-0.718	-1.817	-3.475	-5.560	-8.155	-11.269
100000	-1.846	568.0-	-0.231	690.0-	-0.312	-1.124	-2.498	-4.407	-6.775	-9.712
125000	-4.348	-3.406	-2.428	-1.449	-0.571	-0.124	-0.204	-0.904	-2,324	-4.366
150000	-5.199	-4.613	-3.917	-3.086	-2.159	-1.209	60+-0-	-0-121	-0.452	-1.592

000 4 000 9	-80.000 -80.000 -80.000 -80.000 -80.000 -80.000 -80.000 -80.000 -75.805 -80.000 -75.805 -80.000 -77.545 -71.999 -65.876 -71.999 -65.876 -71.999 -67.545 -67.590 -77.545 -67.590 -77.545 -73.999 -77.545 -73.990 -77.545 -73.990 -77.545 -73.990 -77.545 -73.990 -77.545 -73.990 -77.545 -73.900 -77.545 -73.900 -77.545 -73.900 -77.343 -24.548 -77.343 -27.881 -77.343 -27.881 -77.343 -27.881 -77.343 -27.881 -77.343 -27.881 -77.343 -27.881 -77.343 -27.881 -77.343 -27.881 -77.343 -27.881 -77.343 -27.881 -77.343 -27.881	6.000 7 000 -80.000 -80,000 -80.000 -80,000 -77.786 -80,000 -77.225 -71,494 -47.225 -71,269 -35.364 -38,499 -80.000 -80.000
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1.000	-80.000 -80.000 -720.887 -53.529 -53.529 -48.334 -135.659 -135.803 -135.803 -135.224 -11.627 -1.9627 -1.9627 -1.9627 -1.9627 -1.9627 -1.9627 -1.9627 -1.9627 -1.9627 -1.9627 -1.9627	1.000 -77.683 -77.683 -70.252 -53.928 -53.851 -49.864 -28.135 -28.109
000.0-	-80.000 -175.806 -677.775 -60.655 -154.288 -144.553 -146.775 -121.23 -	-0.000 -74.273 -67.183 -61.156 -51.156 -51.156 -51.156 -51.156 -51.156 -77.905 -60.335
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ATGMIC SPECIES : NE 1

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.082 -2	*	**	***	***	***	***	***	***
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3.000 -2.807	12.437	-2 140	-1-807	474-1-	1.198	-0.888	-0.595	***
-2.82	IN	-2 156		•	.19	88	.59	-0.152
-2 837	-2.513	-2 169	-1.836	-1.503	•19	•	0.59	-0.402
-z 849	-2.517	-2 18B		-1.516	61.	-0.888	0.59	10.402
3,193 -2 860	-2.527	12 196	-1.860	-1.527	-1.198	-0.888	-0-595	-0.402
1000	4 0	12 214) (C		ó	0.59	10.402
2887	i d	-2 224		-1.550	-1.224	-0.888	• 59	-0.402
-2.886	ď	-2 232	-1.899	-1.567	-1.232	-0.888		-0.402
	3	-2 239	-1.907	-1.574	-1.245	-1.004	0.59	0.4 0.0 1.0 1.0 1.0
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2 916	-2.583	0.07 = V = 0.0	070-1-	-1.633	11.080	400	7.75	100
ייי אנגע אנגע אנגע	- C - 500 W	040=0=	950-1-	11.603	1.284	-1.004	0.75	1004
1 920	009.6	1022	750-1-	-1.617	-1.285	-1.004	-0.754	-0.405
7 651	2,606	-2=272	-1.941	-1.523	-1.285	-1.004	-0.754	-0.402
-28943	2.613	-2=278	-1.945	-1.619	-1.287	-1.004	-0.754	10.402
-2=931	2.625	-2 283	-1.950	-1.620	-1.297	-1.004	-0.754	405
-2"936 -	2.624	-2 289	-1.954	-1.623	-1.292	-1.004	0	0 4 6
-2 945	2.612	-2 307	-1.964	-1.631	-1.304	-1.004	0	0 • • • • • • • • • • • • • • • • • • •
-2 954	2.621	-2 299	-1.976	-1.639	-1.308	4000	40.00	704
2962	620.2	0 60	9060	11.6640	11.4010	400	10.754	204
12,964	2.643	-2 311	-1.978	-1.664	 1	-1.004	0.75	0 4 0 Z
-2=971	-644	-2 317	-1.985	-1.661	-1.340	-1.004	-0.754	-0 40Z
3.310 -2=978	2.645	-2 322	-1.991	-1.562	-1.332	-1.004	-0.754	10.402
-2=984	2.651	-2 322	-1.997	-1,666	-1.335	-1.004	-0.754	-0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0
-2 988 -	2.657	-2 324	-2.001	-1.673	-1.345	8	0.75	0 4 0 0
	OJ.	-2,330	-2.002	-1.676	-1.347	-1.004	-0.754	104.0
1 566 2	2.684	-2=342		-1.632	-1.355	1.004	10.104	0 0
600 E	2.678	-2=362	2.02	680.1	1.304	٠,	> (
-3.014	2.686	-2=356	-2.042	-1.700	-1.368	01.	-0.f34	201
-3.025 -	2.707	-2=364	-2.034	-1.734	-1.378	0	-0.754	10.40Z
	2.702	-2=386	-2.042	-1.711	-1.385	-1.106	-0.754	-0.402
-3=036 -	2.710	-2=378	-2.066	-1.719	-1.404	-1.106	-0.754	-0.402
	_N	-2=386	-2.053	-1.723	-1.395	-1.106	-0.754	-0.595
13 040	-2.20	-2 391	2.06	-1.746	-1.402	-1.106	-0.888	-0.595
0 5 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	10	466	N	.73	-1.423	10	-0.888	-0.595
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-3 094	2.76	-2 427		-1.762	Ŋ.	-1.106	٠	-0.595
3,454 -3 120		-2 454	-2.120	-1.797	-1.454	-1.106	-0.888	-0.595

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ATOMIC SPECIES : NE 3

DEG K/LOD DE	2 000	1.000	0 0 0 1	000	8.000	0 0 0 m	0000	000 s	0000	000°
0000	-3.862	-3.528	****	***	****	****	****	****	****	***
0002	-3,883	-3.549	-3.216	-2.882	•	*	****	****	****	****
8000	-3.908	-3.569	ď	-2.901	•	N.	8.	****	* .	***
0006	-4.054	-3.612	-3.254	-2.917	ณ์ (N C	96	,	-	***
■0000	-4.111	٠,	ι) 1	-2.438	0	ů,	4 V C		ָּבְיבְיבְיבְיבְיבְיבְיבְיבְיבְיבְיבְיבְיב	V 00 0
	-4.124	-3.791	į,	-3.005	N	N (• D (٠.	9 1	2000
1 2000	-4.136	r)	-3.471	3,14	N	ล้ เ	-1.952	-	-1.452	-0.897
1 3000	-4.148	-3.814	-3.481	-3,150		4.	1.96			-0.914
1 4000	-4.158	-3.825	-3.492	-3,159	-2.830	•	-2.159	-	.47	-0.929
1 5000	-4.165	-3,835	-3.502	-3,169	83	. 51	-2.169	-1.836	•	-0.943
0	-4.163	-3.841	-3,511	-3.178	-2.845	-2,515	-2.178	-1.845	•	-0.956
000	-4.175	-3.840	-3.518	-3,186	-2.853	۰	-2.187	-1.853		-0.968
1 8000	-4.171	-3.855	-3.519	-3,194	-2.861	-2.529	•19	-1.862	-1.528	-1.195
00061	-4.176	-3.849	-3.521	-3.198	-2.869	-2.536	-2,205	-1.870	-1.536	-1.203
20000	-4.183	-3.851	-3.532	-3,197	-2.875		-2.211	-1.885	-1.543	-1.210
21000	-4.190	-3.857	-3.529	-3,204	-2.877	•	-2.218	-1.888	-1.551	-1.217
22000	-4.197	-3.864	-3.532	-3.211	-2.876		-2.224	-1.893	•	-1.224
23000	-4.204	-3.870	-3.537	-3.20.9	-2,882	•	-2.230	•	-1.574	-1.230
2 4000	-4.212	-3.876	-3.543	-3.212	-2.893	-2.557	-2.235	-1.904	-1.576	-1.237
25000	-4.227	-3.883	-3.549	-3.216	-2.890	-2.559	-2.238	-1.909	-1.580	-1.242
26000	-4.220	-3.891	-3.554	-3,221	-2.891	-2.571	-2.239	-1.914	-1.584	-1.248
27000	-4.215	-3.905	-3.560	-3.227	-2.895	-2.574	-2.239	-1.918	-1.589	-1.254
28000	-4.216	-3.898	-3.567	-3,232	-2.899	-2.573	-2.242	-1.921	-1.593	-1.259
29000	-4.220	-3.854	-3.579	-3.237	-2.904	-2.574	-2.251	-1.922	-1.597	-1.264
3000	-4.224	-3.854	-3.578	-3.243	-2.909	-2.577	-2.246	-1.926	-1.601	-1.269
32000	-4.233	-3.900	-3.572	-3,261	-2.918	-2.585	-2.258	-1.927	-1.606	-1.280
34000	-4.239	13.908	-3.576	-3,253	-2.931	-2.593	-2.262	-1.931	-1.612	-1.287
36000	-4.244	-3.915	-3.584	-3,253	-2.937	-2.602	-2.269	-1.937	-1.614	-1.292
38000	-4.252	-3.919	-3,590	-3.259	-2.933	-2.615	•	-1.947	-1.617	-1.297
00004	-4.253	-3.931	-3,595	-3,265	-2.935	-2.619	•	-1.952	-1.621	-1.300
42000	-4.259	-3.929	-3.601	-3.271	-2.940	-2.615		-1.956	-1.633	-1.303
00044	-4.266	-3,933	-3.608	-3.274	-2.945	-2.617	-2.287	-1.964	-1.631	-1.308
46000	-4.275	626°E-	-3.608	-3.282	-2.950	-2.621	۰	-1.966	-1.637	-1,309
48000	-4.282	-3.946	-3.613	-3.287	-2.954	-2.625	-2.299	-1.969	-1.642	-1.313
20000	-4.279	-3:956	-3.618	-3.288	-2,961	-2.629	-2.302	-1.971	-1.647	-1,318
55000	-4.285	-3.957	-3.638	-3.299	-2.968	-2.641	-2.311	-1.980	-1.655	-1.329
60000	-4.307	-3.963	-3.636	-3.316	-2.978	-2.649	-2.320	-1.992	-1.662	-1,339
€5000	-4.302	-3.969	-3.640	-3,315	-2.996	-2.657	-2,332	-1.999	-1.670	-1,345
20000	-4.312	-3.979	-3.662		-2.995	-2.671	-2.336	-2.005	-1.679	-1,351
15000	-4.314	-3.988	-3.656	-3.341	-3.003	-2.676	-2.345	-2.017	-1.687	-1,358
80000	-4.323	-3.990	-3.664	-3,332	-3.020		-2,359	-2.022	-1.691	-1.365
0	-4.326	-3,999	-3.668	-3.340	-3.007	-2.692	-2.359	-2.031	-1.697	-1.371
2	-4.334	-4.003	-3.674	-3,346	-3.015	-2.700	-2.364	-2.030	-1.703	-1.377
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125000	-4.381	-4.048	-3.715	-3,381	-3.048	-2.716	-2.388	-2.067	å,	-1.409
150000	-4.408	-4.074	-3.741	-3.408	-3.074	-2,741	-2.408	-2.078	-1.759	-1.428

ATOMIC SPECIES : NE 4

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16000	-4.413	-4.093	-3.761	-3,428	13.094	-2.761	-2,371	11 131	-1.749	-1.205
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8	-4.421	-4.105	-3.769	-3.444	-3.111	-2,778	444	-2.037	• 76	-1.230
00061	-4.426	-4.099	-3.770	-3.448	-3.119	-2.786	.45	-2.102	.63	4
20000	-4.433	-4.101	-3.782	-3.447	-3,124	-2.793	46	-2 135	57	26
21000	-4.440	-4.107	-3.778	-3,454	-3,127	-2,800	46	-2 134	-1.729	-1.456
22000	4	-4-113	-3.782	13.461	-3.126	-2.805	47	-2 140	-1.780	-1.464
23000	4	-4.120	-3.787	-3.459	-3.132	-2.807	48	-2 147	-1.824	-1.473
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26000	-4.469	-4-140	-3.804	-3.471	-3,141	-2.821	-2.489	-2.164	-1.831	-1.461
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36000■	-4.494	-4.165	-3.833	-3.503	-3.187	-2.852	ın	7a 1 5	-1.864	-1.545
38000	ŝ	-4.169	-3.840	-3.509	-3.183	-2.865	-2.526	-2.1 7	-1.866	-1.547
40000	-4.503	-4.181	-3.845	-3.515	-3.185	-2.868	-2.534	-2.Z0Z	-1.871	-1.550
42000	-4.509	-4.179	-3.851	-3.520	-3.190	-2.865	-2.544	-2.Z06	-1,883	-1,553
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46000	-4,524	-4.189	-3.858	-3.532	-3.200	-2.870	-2.540	-2.216	-1.887	-1.559
48000	-4.532	-4.196	-3.863	-3.537	-3.204	-2.875	-2.549	-2 219	-1.892	-1.563
80000	-4.529	-4.205	-3.868	-3.538	-3.211	-2.879	-2.551	-2 221	-1.897	-1.568
55000 55000	-4.539	-4.207	-3.888	-3.549	-3.218	-2.891	-2.560	-2.230	-1.905	-1,579
■ 00009	-4.557	-4.221	-3.886	-3.566	-3.228	-2.839	-2.570	-2.242	-1.912	
65000	-4.552	-4.234	-3.900	-3.565	-3.246	-2.907	-2.581	-2.249	-1.920	-1.595
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15000	-4.564	-4.238	-3,910	-3.590	-3.253	92	50	56	-1.937	9.
00008	-4.573	-4.240		-3,589	-3.270	m	-2.608	-2.272	-1.941	-1.615
00088	-4.576	-4.249	-3.918	-3.591	-3.269	*	9	28	-1.947	-1.621
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190000	18000.	-4.611	-4.299	•	3.63	3.30	2.9	2.63	2.23	1=96	-1.42
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25000. -4.671 -4.326 -3.992 -3.659 -2.308 -2.669 -2.569<	24000	-4.655	-4.319		3.6	3,33	9	2.6	2.34	2 01	-1.574
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-4,644 -4,641 -4,294 -3,962 -3,629 -3,310 -2,984 -2,656 -2,323 -4,654 -4,624 -4,624 -3,495 -3,977 -3,634 -3,311 -2,983 -2,667 -2,632 -2,667 -4,326 -4,326 -4,326 -3,977 -3,644 -3,311 -2,987 -2,667 -2,633 -4,969 -4,626 -4,312 -3,997 -3,647 -3,311 -2,987 -2,667 -2,633 -4,969 -4,626 -4,312 -3,997 -3,667 -3,328 -2,995 -2,667 -2,338 -4,980 -4,652 -4,319 -3,996 -3,677 -3,328 -2,995 -2,667 -2,631 -2,338 -4,980 -4,652 -4,319 -3,996 -3,677 -3,328 -2,996 -2,671 -2,835 -4,980 -4,654 -4,337 -4,004 -2,671 -2,855 -2,667 -2,855 -2,667 -2,855 -4,980 -4,654 -4,334 -4,008 -3,675 -3,348 -3,016 -2,671 -2,855 -2,856 -2,671 -2,835 -4,980 -4,654 -4,334 -4,008 -3,675 -3,348 -3,019 -2,671 -2,855 -2,856 -2,671 -2,855 -2,800 -4,654 -4,334 -4,008 -3,675 -3,348 -3,039 -2,677 -2,835 -2,346 -2,002 -4,664 -4,344 -4,023 -3,691 -3,691 -3,691 -2,095 -2,697 -2,836 -2,376 -2,601 -4,672 -4,344 -4,023 -3,691 -3,356 -3,036 -2,777 -2,372 -2,385 -2,018 -4,652 -4,344 -4,023 -3,691 -3,356 -3,036 -2,777 -2,778 -2,346 -2,018 -4,672 -4,344 -4,023 -3,691 -3,356 -3,036 -2,777 -2,778 -2,405 -2,018 -4,672 -4,344 -4,023 -3,692 -3,366 -2,776 -2,778 -2,778 -2,405 -2,018 -4,024 -4,386 -4,024 -4,386 -4,024 -3,739 -3,412 -3,081 -2,779 -2,779 -2,479 -2,479 -2,779 -2,479 -2,779 -2	■ 00 Q	-4.956	-4.617	-4.289	-3,957	-3.623	-3.307	-2.981	-2.650	-2.317	-1 947
-4,950 -4,634 -4,295 -3,967 -3,634 -3,301 -2,983 -2,660 -2,328 -4,955 -4,621 -4,315 -3,971 -3,639 -3,336 -2,987 -2,669 -2,338 -4,969 -4,626 -4,312 -3,971 -3,651 -3,326 -2,987 -2,664 -2,338 -4,969 -4,636 -4,312 -3,997 -3,651 -3,326 -2,987 -2,668 -2,346 -2,346 -4,319 -3,978 -3,657 -3,328 -2,996 -2,661 -2,355 -4,980 -4,657 -4,319 -3,996 -3,667 -3,328 -2,996 -2,661 -2,355 -4,980 -4,657 -4,339 -4,001 -3,668 -3,355 -3,010 -2,671 -2,359 -2,359 -4,980 -4,657 -4,339 -4,001 -3,668 -3,355 -3,010 -2,671 -2,356 -2,369 -2,661 -2,356 -2,369 -4,980 -4,657 -4,339 -4,001 -3,668 -3,355 -3,010 -2,671 -2,356 -2,369 -2,661 -4,334 -4,002 -4	■ 0000	-4.944	-4.641	-4.294	-3.962	-3.629	-3.310	-2.984	-2.656	-2,323	-1= 982
-4,955 -4,621 -4,315 -3,971 -3,639 -3,311 -2,996 -2,664 -2,333 -4,960 -4,626 -4,314 -3,973 -3,644 -3,311 -2,997 -2,666 -2,346 -4,960 -4,626 -4,314 -3,978 -3,667 -3,320 -2,997 -2,661 -2,346 -4,980 -4,652 -4,319 -3,946 -3,667 -3,333 -3,004 -2,671 -2,352 -4,980 -4,657 -4,319 -3,946 -3,673 -3,333 -2,004 -2,671 -2,352 -4,980 -4,657 -4,010 -3,675 -3,346 -2,671 -2,356 -4,980 -4,661 -4,334 -4,001 -3,681 -3,036 -2,697 -2,356 -5,002 -4,675 -4,012 -3,681 -3,036 -2,697 -2,356 -5,010 -4,672 -4,023 -4,024 -4,024 -3,366 -2,704 -2,714 -2,317 -5,016 -4,672 -4,344 -4,023 -3,682 -3,036 -2,703 -2,704 </td <td>000</td> <td>-4.950</td> <td>-4.634</td> <td>-4.295</td> <td>-3.967</td> <td>-3.634</td> <td>-3.301</td> <td>-2.983</td> <td>-2.660</td> <td>-2.328</td> <td>-2 004</td>	000	-4.950	-4.634	-4.295	-3.967	-3.634	-3.301	-2.983	-2.660	-2.328	-2 004
-4.960 -4.626 -4.314 -3.973 -3.644 -3.311 -2.995 -2.667 -2.338	000	-4.955	-4.621	-4.315	-3.971	-3.639	-3,306	-2.980	-2.664	-2,333	-2 000
-4.969 -4.636 -4.302 -3.997 -3.651 -3.320 -2.996 -2.668 -2.346 -4.977 -4.644 -4.311 -3.978 -3.657 -3.328 -2.996 -2.661 -2.352 -4.980 -4.652 -4.327 -3.996 -3.651 -3.004 -2.681 -2.353 -4.986 -4.654 -4.337 -4.001 -3.668 -3.301 -2.671 -2.353 -4.995 -4.651 -4.335 -4.001 -3.652 -3.015 -2.692 -2.693 -2.359 -5.010 -4.652 -4.344 -4.012 -3.641 -3.336 -2.692 -2.359 -5.010 -4.662 -4.344 -4.012 -3.691 -3.366 -2.701 -2.359 -5.016 -4.662 -4.344 -4.024 -3.691 -3.366 -2.703 -2.692 -2.359 -5.016 -4.692 -4.344 -4.024 -3.694 -3.366 -2.703 -2.723 -2.366 -5.0	000	-4.960	-4.626	-4.314	-3,973	-3.644	-3,311	-2.995	-2.667	-2,338	-2 005
-4.977 -4.644 -4.311 -3.978 -3.667 -3.328 -2.996 -2.691 -2.352 -4.980 -4.652 -4.319 -3.986 -3.661 -3.333 -3.010 -2.671 -2.355 -4.980 -4.657 -4.337 -4.008 -3.661 -3.356 -3.016 -2.678 -2.356 -4.986 -4.654 -4.337 -4.008 -3.661 -3.345 -2.697 -2.359 -4.986 -4.661 -4.337 -4.012 -3.661 -3.346 -2.697 -2.359 -5.010 -4.662 -4.336 -4.012 -3.691 -3.356 -2.717 -2.356 -5.016 -4.662 -4.024 -3.691 -3.356 -2.717 -2.356 -5.016 -4.662 -4.024 -3.692 -3.366 -3.036 -2.717 -2.356 -5.016 -4.672 -4.024 -4.023 -3.692 -3.366 -2.726 -2.376 -5.04 -4.374 -4.024 -4.024 -3.366 -2.366 -2.726 -2.403 -5.04 -	000	-4.969	-4.636	-4.302	-3.997	-3.651	-3.320	-2.987	-2.668	-2.346	-2 014
-4.980 -4.652 -4.319 -3.986 -3.673 -3.333 -3.004 -2.671 -2.353 -4.980 -4.654 -4.334 -4.010 -2.671 -2.353 -3.015 -2.6585 -2.353 -4.980 -4.654 -4.334 -4.001 -3.351 -3.015 -2.695 -2.353 -2.353 -4.010 -2.678 -2.353 -4.034 -4.034 -4.001 -3.661 -3.355 -3.015 -2.695 -2.359 -2.359 -2.035 -2.002 -4.659 -4.334 -4.012 -3.681 -3.355 -3.036 -2.703 -2.692 -2.359 -2.5010 -4.669 -4.334 -4.012 -3.691 -3.355 -3.036 -2.703 -2.697 -2.359 -2.5018 -4.662 -4.344 -4.012 -3.691 -3.355 -3.036 -2.703 -2.723 -2.335 -3.005 -4.663 -4.354 -4.024 -3.691 -3.355 -3.006 -2.717 -2.377 -2.377 -5.043 -4.777 -4.372 -4.035 -3.056 -2.723 -2.723 -2.724 -2.403 -2.0443 -4.777 -4.356 -4.052 -3.714 -3.355 -3.068 -2.723 -2.724 -2.403 -2.041 -4.720 -4.386 -4.051 -3.731 -3.407 -3.056 -2.724 -2.409 -2.714 -2.409 -2.714 -3.355 -3.008 -2.757 -2.409 -2.007 -4.738 -4.409 -4.077 -3.755 -3.418 -3.008 -2.757 -2.427 -2.439 -4.007 -4.007 -3.755 -3.428 -3.008 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -4.758 -4.409 -4.007 -3.759 -3.428 -3.008 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.439 -2.009 -2.757 -2.009 -2.757 -2.009 -2.757 -2.009 -2.757 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.009 -2.757 -2.009 -2.00	000	-4.977	-4.644	-4.311	-3,978	-3.667	-3.328	-2.996	-2.681	-2,352	-2 022
-4.980 -4.657 -4.327 -3.994 -3.661 -3.351 -3.010 -2.678 -2.359 -4.988 -4.654 -4.333 -4.001 -3.668 -3.355 -3.015 -2.685 -2.369 -4.998 -4.661 -4.334 -4.001 -3.668 -3.348 -3.015 -2.692 -2.359 -5.002 -4.661 -4.334 -4.002 -3.681 -3.348 -3.030 -2.697 -2.356 -5.018 -4.662 -4.344 -4.022 -3.687 -3.351 -3.028 -2.777 -2.356 -5.018 -4.662 -4.344 -4.023 -3.697 -3.351 -3.028 -2.777 -2.356 -5.018 -4.662 -4.344 -4.023 -3.697 -3.351 -3.028 -2.777 -2.367 -5.018 -4.692 -4.344 -4.024 -3.692 -3.366 -3.036 -2.777 -2.367 -5.026 -4.693 -4.374 -4.035 -3.704 -3.372 -3.046 -2.774 -2.403 -5.043 -4.707 -4.386 -4.057 -3.732 -3.056 -2.726 -2.741 -2.414 -5.05 -4.724 -4.396 -4.077 -3.731 -3.416 -3.095 -2.756 -2.741 -2.414 -5.05 -4.735 -4.400 -4.077 -3.756 -3.416 -3.095 -2.757 -2.423 -5.075 -4.739 -4.440 -4.037 -3.755 -3.428 -3.095 -2.757 -2.427 -5.075 -4.749 -4.091 -3.759 -3.428 -3.095 -2.767 -2.447 -5.075 -4.744 -4.083 -4.091 -3.759 -3.436 -3.113 -2.759 -2.467 -5.075 -4.744 -4.451 -4.091 -3.759 -3.436 -3.113 -2.759 -2.495 -5.044 -4.451 -4.451 -4.091 -3.789 -3.445 -3.118 -2.784 -2.495	0000	-4.980	-4.652	916.4-	-3.986	-3.673	-3.333	-3.004	-2.671	-2.355	-2 030
-4.998 -4.654 -4.333 -4.001 -3.668 -3.355 -3.015 -2.695 -2.369 -2.369 -4.661 -4.334 -4.008 -3.675 -3.342 -3.030 -2.692 -2.359 -2.359 -2.369 -4.661 -4.335 -4.012 -3.681 -3.348 -3.030 -2.697 -2.356 -5.018 -4.669 -4.344 -4.012 -3.681 -3.355 -3.036 -2.717 -2.356 -5.018 -4.669 -4.344 -4.023 -3.691 -3.361 -3.036 -2.717 -2.377 -2	0000	-4.980	-4.657	-4.327	-3,994	-3.661	-3,351	-3.010	-2.678	-2.353	-2 037
-4,995 -4,661 -4,334 -4,008 -3,675 -3,342 -3,030 -2,692 -2,359 -5,002 -4,669 -4,335 -4,012 -3,681 -3,348 -3,039 -2,697 -2,366 -5,010 -4,675 -4,344 -4,012 -3,687 -3,351 -3,038 -2,773 -2,377 -5,018 -4,682 -4,344 -4,023 -3,692 -3,356 -3,038 -2,723 -2,377 -5,026 -4,720 -4,374 -4,035 -3,704 -3,385 -3,046 -2,723 -2,403 -5,041 -4,720 -4,386 -4,064 -3,732 -3,393 -3,066 -2,726 -2,409 -5,041 -4,720 -4,386 -4,064 -3,732 -3,393 -3,068 -2,725 -2,409 -5,047 -4,728 -4,064 -3,737 -3,739 -3,412 -3,081 -2,741 -2,414 -5,062 -4,735 -4,400 -4,077 -3,756 -3,416 -3,095 -2,757 -2,433 -5,076 -4,738 -4,409 -4,077 -3,755 -3,436 -3,113 -2,757 -2,439 -5,075 -4,724 -4,083 -3,755 -3,436 -3,113 -2,757 -2,439 -5,075 -4,724 -4,081 -4,083 -3,755 -3,436 -3,113 -2,754 -2,449 -5,075 -4,724 -4,451 -4,083 -3,755 -3,436 -3,113 -2,784 -2,449 -5,076 -4,754 -4,451 -4,081 -3,759 -3,436 -3,113 -2,784 -2,449 -5,017 -4,784 -4,451 -4,184 -3,811 -3,478 -3,115 -2,825 -2,825 -2,8495	000	-4.988	-4.654	-4.333	-4.001	-3.668	-3,355	-3.015	-2.685	-2,369	-2 045
-5.002 -4.669 -4.335 -4.012 -3.681 -3.348 -3.039 -2.697 -2.366 -5.010 -4.675 -4.344 -4.012 -3.687 -3.355 -3.036 -2.770 -2.372 -5.018 -4.682 -4.349 -4.023 -3.691 -3.361 -3.028 -2.777 -2.372 -5.018 -4.682 -4.349 -4.024 -3.692 -3.356 -3.033 -2.723 -2.372 -5.026 -4.663 -4.374 -4.035 -3.704 -3.385 -3.046 -2.773 -2.382 -5.041 -4.720 -4.386 -4.051 -3.732 -3.393 -3.066 -2.725 -2.403 -5.047 -4.720 -4.386 -4.064 -3.731 -3.407 -3.068 -2.725 -2.405 -5.047 -4.724 -4.396 -4.064 -3.731 -3.407 -3.072 -2.741 -2.414 -5.05 -4.724 -4.396 -4.077 -3.739 -3.412 -3.081 -2.753 -2.423 -5.05 -4.724 -4.09 -4.077 -3.756 -3.416 -3.095 -2.757 -2.423 -5.075 -4.724 -4.083 -3.755 -3.428 -3.095 -2.757 -2.433 -5.075 -4.724 -4.083 -3.755 -3.436 -3.113 -2.756 -2.450 -5.075 -4.724 -4.441 -4.083 -3.755 -3.436 -3.118 -2.756 -2.495 -5.077 -4.784 -4.441 -4.083 -3.755 -3.436 -3.118 -2.784 -2.449 -5.077 -4.784 -4.451 -4.081 -3.789 -3.456 -3.113 -2.789 -2.465 -5.077 -4.784 -4.451 -4.18 -3.789 -3.456 -3.152 -2.855 -2.495	000	-4.995	-4.661	-4.334	-4.008	-3.675	-3.342	-3.030	-2.692	-2.359	-2 044
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3.000	**************************************	-8.918 -9.034 -9.082 -9.130 -9.167 -9.196 -9.220 -9.318
2.000	* 1	-9.958 -10.013 -10.067 -10.114 -10.175 -10.199 -10.221 -10.318
1.000		-10.986 -11.046 -11.123 -11.151 -11.199 -11.222 -11.319
000.		-12.018 -12.064 -12.096 -12.125 -12.176 -12.199 -12.222 -12.222 -12.319
-1.000		113.032 113.032 113.037 113.037 113.031 113.031 113.031 113.031 113.031 113.031 113.031 113.031 113.031 113.031 113.031 113.031
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DEG KALOG PE	-2.000	-1.000	000.0-	1.000	2.000	3.000	4.000	5.000	6.000	7.000
5000	2.087	4.000	6.083	8.078	***	***	***	***	***	***
2000	7.1	ď	Ŋ	. 22	7.218	7	11.159	***	***	* * * * * * * * * * * * * * * * * * * *
Ó	-1.668	4	1.223	3.170	.15	7.142	•	11.023	**	*
8000	-1.698	60	•	.77	3.613	733	7.550	٠		* 34
0006	On.	569.0-	ų,	45.	•63	ניו	•	C)	10.190	2.1
100001	α	659.0-	•30	.30	.34	φ.	•		•	mi.
0	-1.742	0.70	0.300	•30			4.716	ហ		10,362
120,0	\sim	-0.753	0.292	30	•30	3.315	•	5	•	•
130,0	-1,822	980	. 24	ÇĮ.	•30	יין:	•	ហ	•	•
14000	-1,824	30	7		Ģ	1.3	4.311	7	ͺ	•
15000	-1,825	.82	0.180	1.208	C)	ru ·	•	m	•	
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170,0	-1.857	C.83		1.178		w	•	m :	•	•
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	-1.874	-0.867	7	1.174	7.74	•	4.259	.CV		7.418
200°0.	-1,875	-0.873	0.141	• 16	7	~	٠	ď	6.304	***
21000.	-1.876	8	-	7	7	***	•	ď	6.298	7.332
22000,	-1.878	8	7	1.138	2.165	-	•	Q.	6.292	7,317
23000	-1.884	ö	7		7	_	•	Q.	6.282	7.307
24000,	-1.893	-0.879	~	7	~	***	•	Q.	6.268	
25000	-1.899	8	7.	1.126	7.	_	•	~	6 • 25 1	7.293
26000.	-1.902	-0.893	.12	1.125	7	744	•	7	6.232	7.285
27000.	-1.903	6	4	1.124	2.126	-		179		7.276
28000.	-1.906	-0.901	7	1.122	7	-	•	.175	6.202	7.265
29000,	-1.909	6	7	1.118	2.124	~	•	~	6.192	7.251
30000	6		٦.	1.113	• 12		•	7	6.185	7.238
32000	-1.920	0		• 10	. 1	~	4.129	~	6.174	7.213
34000	-1.922	516.0-	3	9	10	-	•	7	6.163	7.195
36000,	-1.925	Ō,	o	•	7	~	•	껵.	6.149	7,181
38000	-1.930	-C.924	0	•	60.	-	•	7	6.137	7.169
40000	-1.932	Q,	•		្	-	•	~	6.130	7.156
42000	-1.933	•	0		•	0	٠	┥.	6.125	7.144
44000.	-1.935	-0.933	਼	•	9	co .	٠	-	6.123	7.134
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6 5000	-1.949	6.0	0	•	਼	0	9	಼	060.9	7.107
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1 5000	6.798		6.787	6 737	64	• 62	.61		• 45	6.342
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1 7000	6.871	ဆ	6.797	6 791	.75	• 66	6.624	•	6.563	6.414
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v	7	50.	9	$^{\circ}$	66.	• 94	92		83	
3 8000	7.147	.11		0	0.	.97	20	•	.86	6,775
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4 Z000	7.166	.15	**	\boldsymbol{c}	90	0	Q.		6	•
4 4000	7.177	• 16	• 14	_	80.	.03	00	•	06	•
000a 4	7.197	•17	.15		00	0.0	0	•	6	0.870
4 8000	7.213	.16	97.	-	0	0.	9		5	0.883
5 0000	7.222	\$20	.17	υ.		0	.03	•	9.5	0.893
	7.253	.22	20	-	. 15	17.	80	7.021	95	6.908
6 6000	7.271	.25	-23	္က	•17	41.4	• 10		96	6.923
500	7.273	.27	.25	S.	.20	.17	E	٠	9	6.945
	7.273	124	.27	S	22	• 19	• 10	•	90	6.975
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000•1	50	ι.)	4		5 7	57	ω		11.728	11.901	11.987	12.012	12.034	12.072	12.150	12.231	12.278	12,297	12,306	12.311	12.320	12.337	12,367	12.410	4 A A A A A A A A A A A A A A A A A A A	12.581	12,643	12.693	12.721	12.747	12.786	12.821	12.856	12.000	13.043	13.103	13,135	13.143	13,144	13.145	13,145	13.145	13,145	
000.0-	5 4 5	M	ω. O	11.435	יי מיי		.61		40.			12.025	• •	12.218	12.277	12.299	12.307	12,312	12,322	12,346	12,389	12,443	12.488	12.517	10.004	12.681	12,715	12.740	12.780	12.828	12.859	12.877	12.899	74.040	13.112	. ~	• -	-	.14	13.145	• 14	• 1 4	• 1 4	13.204
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r D≤G <th>2000</th> <th>÷0009</th> <th>7000</th> <th>80.00</th> <th>• 00 00</th> <th>1000</th> <th>12000</th> <th>130.00</th> <th>140:00</th> <th>15000.</th> <th>16000</th> <th>170.00</th> <th>. 00 00 .</th> <th>20000</th> <th>210.00</th> <th>22000</th> <th>ဓ္ဌ</th> <th>24000</th> <th>25000.</th> <th>26000</th> <th>27000.</th> <th>28000</th> <th>29000</th> <th>30000</th> <th>420 00 c</th> <th>340 00°</th> <th>0000</th> <th>40000</th> <th>42000.</th> <th>44000</th> <th>46000.</th> <th>48000</th> <th>50000°</th> <th></th> <th></th> <th>O</th> <th>7030</th> <th>0</th> <th>00008 800008</th> <th>90006</th> <th>5000</th> <th>000</th> <th>2500</th> <th>0</th>	2000	÷0009	7000	80.00	• 00 00	1000	12000	130.00	140:00	15000.	16000	170.00	. 00 00 .	20000	210.00	22000	ဓ္ဌ	24000	25000.	26000	27000.	28000	29000	30000	420 00 c	340 00°	0000	40000	42000.	44000	46000.	48000	50000°			O	7030	0	00008 800008	90006	5000	000	2500	0

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.145 13.145 1	45 1		144	.13	13,103	13.027	12.940	.83	12,701
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13,145	45	E.	145	• 1 4	13,139	13.101	13.021	92	2
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0005	-4.822	-4.322	-3,823	-B 324	**	*	***	***	****	
0	-4.901	-4.401	-3.902	-3 403	-2.905	•	-1=938	****	***	* * * * * * * * * * * * * * * * * * * *
7000	-4.968	-4.468	-3.969	-3ª469	S		-1=386	-1.543	*	***
8.000	-5.026	-4.526	-4.027	-3_527	3.02	-2.534	-2=048	-1.586	• 16	-0.820
0006	-5.077	-4.577	-4.078	-3=578	-3.079	-2.583	-2=095	-1.627	•19	-0.833
00000	-5-115	-4.622	-4.123	-3=624	177		-2 137	-1.664	-1.227	-0.849
11000	-5.036	-4.640	-4.163	-3 ■6 65	1,3	-2.668	-2 177	-1.699	-1.255	-0.865
00001	-4-864	-4.542	-4.176	-3 700	-3.203	ત	-2 212	-1.732	-1.281	-0.882
13000	4.854	-4.400	-4.080	-3"712	-3,235	-2.740	-2 246	-1.763	-1.306	-0.899
14000	-4.881	-4.389	-3.949	-B 642	-3,252	-2.770	-2 277	-1.792	-1.331	-0.915
15000	4.904	-4.411	-3.925	-3 519	-3.217	-2.791	-2 305	-1.819	-1.354	-0.932
16000	-4.891	-4.433	-3.941	-3 470	-3.116	-2.786	-2,328	-1.844	-1.376	-0.949
17000	-4.813	-4.429	-3.962	-3 473	-3.037	-2.732	-2 341	-1.867	-1.398	-0.965
18000	-4.773	-4.370	-3.968	-3 490	-3.016	-2.647	-2 330	-1.886	-1.418	-0.981
19000	-4.779	-4.315	-3.934	-3 503	-3.022	-2.589	-2=284	-1.897	-1.437	966 0-
2000	-4.797	-4.308	-3.874	-3 494	-3.035	-2.570	-2=218	-1.893	-1.453	***
21000	-4.814	-4.320	-3.845	-3∎452	-3.041	-2.572	-2=164	-1.866	-1.464	-1,025
22000	-4.820	-4.337	-3.847	-3=405	-3.028	-2.580	-2-137	-1.821	-1.468	-1.038
23000	-4.801	-4.350	-3.860	-3=385	-2.991	-2.584	-2-130	-1.772	-1.462	-1.049
24,000	-4.765	-4.350	-3.874	-3 386	-2.951	-2.575	-2 132	-1.735	-1.442	-1.058
25000	-4.745	-4.329	-3.884	-3 397	-2.930	-2.548	-2 135	-1.714	-1.411	-1.062
26000	-4.745	-4.300	-3.885	-B 410	-2.928	-2.513	-2 132	-1.705	-1.376	-1.061
27000	-4.751	-4.282	-3.870	-3 420	-2,935	-2.488	-2 117	-1.702	-1.345	-1.053
28000	-4.751	-4.280	-3.845	-3 424	-2.946	-2.477	-2 092	-1.700	-1.322	-1.040
29000	-4.738	-4.283	-3.826	-3 417	-2.956	-2.477	-2 065	-1.695	-1.307	-1.021
30000	-4.716	-4.283	-3.819	-3 401	-2.963	-2.484	-2-045	-1.683	-1.298	-1.000
32000	-4.701	-4.256	-3,819	-3 ₃ 367	-2.959	-2.502	-2=033	-1.644	-1.286	-0.962
34000	-4.710	-4.235	-3.802	-B_359	-2.932	-2.512	-2.043	-1.611	-1.266	-0.935
36000	-4.701	-4.240	-3.776	-3=351	-2.910	-2,505	-2=057	-1.603	-1.235	-0.917
38000	-4.680	-4.240	-3.773	-3=328	-2.901	-2.483	-2=065	-1.609	-1.208	-0.898
40000	-4.681	-4.221	-3.777	-3=312	-2.889	-2.464	-2 064	-1.620	-1.195	-0.873
4 2000	-4.693	-4.212	-3.768	-3 312	-2.868	-2:452	-2 050	-1.630	-1.194	-0.847
44000	-4.694	-4.219	-3.753	-3 313	-2.856	-2.439	-2 033	-1.634	-1.199	-0.827
46000	64.679	-4.225	-3.749	-3 304	-2.855	-2.421	-2 018	-1.631	-1.207	-0.816
48000	-4.671	-4.220	-3.755	-3 292	-2.854	-2.408	-2 005	-1.620	-1.214	-0.812
20000	-4.675	-4.207	-3.758	-3 288	-2.848	-2.403	-1 990	-1.607	-1.219	-0-813
55000	-4.665	-4.208	-3.739	-3 292	-2.831	-2.395	-1 962	-1.572	-1.211	10.874
00009	-4.675	-4.155	-3.741	-3 276	-2.831	-2.379	-1 953	-1.540	-1.184	-0.830
65000	-4.707	-4.210	-3.730	-3 277	-2.818	-2.377	-1 938	-1.526	-1.152	-0.822
20000	-4.739	-4.239	-3.743	-3 268	-2.817	-2,367	-1 932	-1.515	-1.127	108.01
2 5000■	-4.769	-4.269	-3.770	-3,276	-2.812	-2,362	-1 =926	-1.503	-1.114	-0.775
80000■	762.4-	-4.297	-3.797	-3=299	-2.813	-2,361	-1 =918	-1.498	-1.103	-0. 752
85000	-4.823	-4.323	-3.823	-3=324	-2.829	-2,357	-1=916	-1.491	-1.092	-0.736
000	-4.848	-4.348	-3.848	9¢8≡0-	-2.850	-2,363	-1 =914	-1.485	-1.085	-0.724
00055	-4.871	-4.371	-3.871	-3-372	-2.873	-2.379	-1 -912	-1.483	-1.080	-0.713
	-4.894	-4.394	-3.894	13 394	-2.895	9		11.481	• 07	10.705
125000	-4.989	-4.490	-3.990	-3 491	-2.991	-2.493	866 1-	-1.515	0.001-	10000
150000	-4.991	-4.515	-4.054		-3.070	-2.571		-1.584	-1.113	-0.688

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BUEC IES

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DEG K/LOG PE	-2 000	000 • I	0 0 0 0	• 0000	a 000 8	0 0 0 m	4	5.000	0000	7.000
5000	0.726	0.726	0.726	0.726	***	****	****	****	*****	*****
\$0.00°			-	0.734	0.734	0.734	0.734	****	* * * * * *	****
0002		6.739	0.739	0.739	0.739		0.739	0.739	***	***
8000	0.744	0.744	0.744	0.744	0.744	0.744	0.744	0.744	0.744	0.744
0006	7	0.747	0.747	0.747	147.0	0.747	0.747	0.747	141.0	0.747
10000		0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	04.750
11000	-	0.753	0.753	0.753	0.753	507.0	0.755	0.753	ָ װ	0.703
12000		0.755	0.755	0.755	0.755	0.755	0.750	0.755	00,00	CC / 50
13800	۲.	0.756	0.756	0.756	0.756	0.756	0.756	0.750	0.00	0. 750
14000		0.759	0.758	0.758	0.758	0.758	0.708	0.798	0.758	0.758
1 5000	<u>ن</u> ب	0.763	0.760	0.760	0.761	V 0 V 0 V 0 V 0 V 0 V 0 V 0 V 0 V 0 V 0	0.759	0.760	667.0	267
0000	0.800	0.00	001.0	77.0	1010	26.0	00.40	0.761	0.761	0.761
000	0000	700 T	908-0	0.777	0.767	0.754	0.763	0.763	0.762	0.762
19000	אַכ	E E O • -	0.871	008.0	0.776	0.767	0.765	0.764	0.763	0,763
٩C	, (1.000	986.0	0.847	0.793	9774	0.767	0.765	0.765	****
0000	1 - 935	1.495	1.147	0.931	0.826	0.786	0.772	0.768	0.766	0.766
22000	, cy	1.762	1.350	1.053	0.879	0.807	0.780	0.771	0.768	0.767
23000		2.025	1.575	1.206	0.964	0.841	0.793	0.776	0.771	0.769
240.00		2.274	1.804	1.385	1.078	0.894	0.814	0+785	0.775	0.772
25000	2.986	2.513	2.027	1.577	1.210	0.968	0.846	262.0	0.82.0	0.775
260 00	Ŋ	2.732	2.240	1.771	1.360	1.069	0.890	0.816	0.788	0.780
27000	3.412	2.926	2.445	1.961	1.519	1.180	0.950	0.842	0.800	0.787
28000	3.600	3.106	2.636	2.143	1.682	1.301	1.024	0.878	0.814	0.801
20000	3.796	3.283	2.802	2.318	1.842	1.431	1.108	0.922	0.834	0.815
30000	3,935	3.447	2.961	2.491	1.997	1.565	1.204	0.970	0.860	0.832
32000	4.238	3.762	3.252	2.773	2.292	40.00	1.441	2010	0.930	0.880
00048	មា	4.007	3,538	3.031	2.557	2.079	1.627	BCZ .	1.024	7 46.0
36000	4.760	4.243	3.747	3.255	2.7.79	2.513	14841	1.450	1.158	1.001
38000	4.949	4.480	3.960	3.485	2.987	2.521	2.045	100.1	1.204	1.129
40000	5.143	4.643	4.171	m. 6555	3.185	2.730	2.242	1.030	1.598	1.245
0004	0.010 874.8	K 10 . 4	4.44	2004	3.492	3,035	2.546	2.083	1.666	1.455
450.00	5.618	n 100	4.627	4.151	3.636	3,180	2.687	2.221	1.793	1.563
48000	5.751	6.259	4.762	4.262	3.794	3,284	2.803	2.349	1.914	1.667
2000	æ	5.375	4.886	4.387	3,913	3.408	2.924	2.467	2.028	1.766
55000	7	5.646	5.149	4.658	4.160	3.699	3.206	2.709	2.256	1.992
60600	6.369	5.869	5,373	4.878	4.387	3.897	3.431	2.930	2.470	2.188
17.	6.565	6.065	5.564	5.068	4.573	4.395	3.602	3.120	2.653	2,357
70000	6.734	6.234	5.733	5.233	4.738	4.255	3.760	3.307	2.812	2, 503
75000	6.882	6.381	5,881	5.380	4.830	4.394	3.905	3.423	2,953	2. 630
80008	9	6.511	6.011	5.510	5.010	4.518	4.029	3,553	3.078	2,743
85000		6.627	6.126	5.626	5.125	4.636	4.143	3.665	3.182	2.843
00006	C)	6.730	6.230	5.729	5.229	4.734	4 • 242	3.763	3.284	2.932
00055	•	6.823	6.323	5.822	5.322	4.830	4.338	3.836	3.374	3,012
100000	4	6.908	6.407	2.907	5.406	4.917	4.412	3.945	3,451	3.084
125000	7.735	7.235	6.734	6.234	•	5.238	4.737	4.00	3.748	J. 303
100000	7.950	7.456	6.959	6.459	80 5. 0	0.490	4・シング	204.4	5.0.0	3.040

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	7.000	*	*	***		0.887	0.903	0.917	0.930	0.941	0.952	0.962	0.971	0.979	0.00	- 4	***		5 6	•	1.024	1.029	400	1000	1.043	1	1.059	1.066	1.074	1.081	1.088	60.	1.102	2:	- H - H - H - H - H - H - H - H - H - H	•	٠.	9	1.227	1,268	1.321	1.388	1.467	1.563	1.670	2.243	. 7.1
	9	*	**	***	86	88	90	. 91	.93	• 94	95	96	16.	76.	, 0		9 6	3	5	5 6	1.024		5 6	0000			1.059	0.0	0.0	.08	•	60.	• 10	0 .	•				3 6	1 6	41	. 53	• 66	1.815	.97	ø	• 18
	000 □ 5	***	₩	0=849	0 869	0 887	0 903	0 917	0 630	0 941	0 952	0 962	0 971	0 979	186 0	400	1 001	100	1 013	610	4 0 0 0	620		0 7 7	1 040	1 0 0	1 059	1 066	1-074	1-081	1 088	1 095	1 102	0 !	711	1 125	h 0	1 234	1015	446	1 612	-	-		2 372		
	4	*	æ	æ	æ	ထ္	6	6	6	ď	6	Ō,	o.	σ. (נ	د	0 0	?	Ö ,	•	9 (•	9 (•	•	•	1.0001		•	0	1.089	1.095	7	− ,	;	; •	• '	יי ע) (0	٦.	4	9	2.835	9	
	000	*****************	0.825	0.849	0.869	0.887	0.903	0.917	0.930	0.941	0.952	0.962	0.971	0.979	0.987	0.994	1001	•	•	•		•	1.034	•	•	1000	• •	1.066	• •	1.081	1.088	•	•	1.111		•	•	•	•	• •	37	40	88	. 1	3,319	• 12	99.
	2.000	78	•	•	•	. •	•		•			•	•		٠	•	1.001	•	•	•	•	•	•	•	•	•	1.001	•	•	•		•	•	1.115	•	•	002.		•	2.621	•				3,816	•	•
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	0000	•	•	٠				•	٠		•		•	0.979		66.	1.001	•		•	٠		٠	٠	1.043	•	1.051	٠.	• .	1.082	•	•	1.126	•	•	1 • 325	•		•	•	•	•	•	•		•	
	000 n	0.756	0.825	0.849	6.869	188.0	E05.0	0.917	0.930	0.941	0.952	C . 962	172.0	626.0	285.0	755.0	1.001	1.007	1.013	1.019	1.024	1.029	1.034	1.038	1.043	1.047	1.051	1000	1.000	1.084	0.00	1.124	1.173	1.261	1.399	1.589	2.152	2.657	2.190	610.1	400	7 7 7 7	4.873	£ 106	5.316	6.120	6.660
so C	-8 000	•	•		٠		٠	•		•		•			٠	•		•	٠		٠	•		•		٠	•	•	•	190			•	•	•	1.965	•	•	٠		٠	•	• •	•	•	٠	•
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8 000	***	0.65	0.671	0.682	0.691	0.09	0.700	0.715	0.719	0.723	0.726	0.729	0.732	0.734	0.736	V	0.741	0.743	0.47.0	047.0	0.751	0.753	0.755	0.760	0.765	0.770	0.775	0.781	467.0	0.800	0.807	0.815	0.834	0.856	0.879	0.905	0.937	0.977	1.031	1.102	10194	9		•
<i>o</i> <i>o</i> •	***** 0.6039	•	.67	0.682	0.691	0.000	0.705	0.710	0.719	0.723	0.726	0.729	0.732	0.734	0.736	80100	0.741	0.743	0 1 4 5 0	0.740	0.751	0.753	0.755	0.760	0.765	0.770	0.775	0.781	0.794	80	0.807	0.815	0.835	0.857	0.882	0.915	0.962	1.033	1.134	1.270	42	9	7. 4. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	?
000 m	*****	IO.	9.	• 68	0.691	0.00	0.705	0.710	0.719	0.723	0.726	0.729	0.732	0.734	0.736	657.0	0.741	0.743	0.743	0.44	0.751	0.753	0.755	0.760	0.765	0.770	0.775	0.781	0.794	0.830	0.807	0.815	0.835	0.859	0.892	0.945	1.032	1.172	1.352	1.561	50	000	2.929	Ċ.
0 0 0	****	9	19.	30	69.	9 6		0.710	0.719	0.723	0.726	0.729	0.732	0.734	0.736	70.10 0	•	0.743	0.47.0	0.740	0.751	0.753	0.755	0.760	0.765	0.770	0.775	0.781	0.794	0.800	0.808	0.815	•	•	0.921	1.025	C)		9	96.	22	7.4.	3.424 4.04	2
1 000	0_615	65	9	Ō	0=691	0 699	0 705	0 710	0 719	0 723	0 726	0 729	0 732	0 734	0=736	N9 1 ■ 0	0 741	0 743	0-740	0 440	0 75.1	0 753	0 755	0 760	0.765	0 2 2 0	0=775	0=781	707	0 800	0 808	0 816	0 842	0 891	1_002	1 209		8		£.	<u>-</u>	D (5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ņ
0 0 0 0	0.615	65	9	9	9	0 1	١,	0.710	0.719	0.723	.7	0.729	0.732	0.734	0.736	0.739		•		0.747		0.753	•	0.760			0.775	,	0.794	• •	0.809	0.818	0.858	0.960	•		96		9	9	0	0.4	4.424 0.10	0.
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-2 000	0.639	9	့	9	9	۱۹	•	0.710					7	7	7.		•	6	•	• •	0.751		,	7					0.788	- «	ွာ	8	0	1.415	Ò,	4	2.862	Ŋ	9	Ò.		4	4 (990.9
T DEG K/EBW PE	0000	7000	8000	■0005	10000	11000	10000	13000	15000	16000	18300	18000	00051	20000	21000	22000	0000 N	24000	25000	Z6000 =	28000	29000	00000	32000	00048	30000E	30000	40000	00004	0000	48000	00005	00015	60000	000a9	20000	75000	80000	85000	■00005	95000	000001	1 20000	1 50000

ATOMIC SPECIES : AR 7

000	0.001	***	0.002	0.002	0.003	0.004	0.005	0.007	600 0	0.011	0.013	910.0	0.023	0.030	0.040	0.050	0.062	0.074	0.088	0.102	0.117	0.133	0.174	0.217	0.259	0.301	0.342	0,382	0.421	0.460	0.497	0.536	0.786	1,212
0000	0.001	0.001	0.002	0.002	.00	00.	0.005	0.007	600.0	0.011	0.013	0.016	0.023	0.030	0.040	0.050	0.062	0.074	0.088	0.102	0.117	0.133	0.174	0.217	0.259	0.301	0.343	0.383	0.423	0.464	0.506	0.554	0.949	1.570
0 0 0 in	0.001	0.001	0.002	0.002	0.003	0.004	0.005	0.007	600.0	0.011	0.013	0.016	0.023	0.030	0.040	0.050	0.062	0.074	0.088	0.102		0.133	0.174	0.217	0.259	0.301	0.343	0.385	0.429	0.476	0.533	0.604	1.244	2.006
0 0 0 e	0.001	0.001	0.002	0.002	0.003	0.004	900.0	20000	600.0	0.011	0.013	0.016	0.023	0.030	0.040	0.050	0.062	0.074	0.088	0.102	0.117	0.133	0.174	0.217	0.259	0.302	0.345	0.391	0.445	0.515	609*0	0.734	1.653	2.487
0 0 0 m	0.001	0.001	0.002	0.002	0.003	0.004	900.0	200.0	600.0	0.011	0.013	0.016	0.023	0.030	0.040	0.050	0.062	0.074	0.088	0.102	0,117	0,133	0,174	0.217	0.260	0,304	0,352	0,411	0,493	0.614	0,782	06610	2,121	2,981
2.000	0.001	0.001	0.002	0.002	0.003	0.004	0.005	0.007	600.0	0.011	0.013	0.016	0.023	0.030	0.040	0.050	0.062	0.074	0.088	0.102	0.117	0.133	0.174	0.217	0.261	0.309	0.371	0.464	0.614	0.830	1.092	1.373	2.610	3.479
000	0 001	0 001	0 002	0 002	0 003	0 004	0 005	0 007	600 0	0,011	0 013	0 016	0 023	0 030	0 0 0	0=0	0 0 Z90	0=074	0 ■ 088	0= 102	0=117	0= 1.33	0=174	0=217	0 265	0=325	0= 425	009 =0	0 863	1 1 80	1=510	1=829	3 107	3 979
0 0 0	0.001	100.0	0.002	0.002	600.0	0.004	0.005	0.007	600.0	0.011	0.013	0.016	0.023	0.030	0.040	0.050	0.062	0.074	0.088	0.102	0.117	0.133	0.175	0.219	0.276	0.372	0.562	0.868	1.240	1.620	1.981	2.314	3.606	4.478
1 .000	0.001	0.001	0.002	0.002	0.003	0.004	0.005	0.007	600.0	0.011	0.013	0.016	0.023	0.030	0.040	0.050	0.062	0.074	0.088	0.102	0.118	0.133	0.175	0.226	0.309	0.455	0.831	1.258	1.692	2.100	2.471	5.803	4 • 106	4.975
0 0 0 •	0_001	100	0 00 5	0=002	0=00	400 0	0.00	200 0	600 0	0 011	0 013	0=016	0=023	0=030	0 040	0 050	0 062	0 074	୦ ଧ୫୫	0=102	0=118	0=133	0 178	0 244	0 401	0 745	242	1 716	2-106	2=593	2.968	3 308	4 606	644 9
T DEG	19000	20000	21000	220 00	■00 OEZ	op cex	250.00	26, 30	00 22	28,00	29,00	30°00	32°00	34000	36 ⁰ 00	38 ₀ 00	40 \ 00	420.00	40000	46000	48000	50000	5000 B	60000	65000	70000	000in2	80000	85000	■00005	■000in5	100000	125000	1 <0000

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IGMIC SPECIES : A	a A A									
T DEG KZLOG PE	-2.000	-1.000	000-0-	1 000	2.000	3.000	0 0 0 4	0 0 a	000.9	000 2
26000	0.302	0.302	0.302	302	0.302	0.302	0 302	0 302	0 • 30 2	0 302
27000	0.302	0.302	0.302	30 Z	0.302	0.302	302	0 302	0.302	0 302
28000	0.302	C+305	0.302	30.5	0.302	0.302	305	0 302	0 • 30 2	0=302
29000	0.302	0.302	0.302	Zo≅ O	0.302	0.302	0 302	0 302	0.302	0 305
30000		0.302	0.302	N 0€	0+302	0.362	0 302	0 302	0.302	0 302
32000=	0.303	0.303	0.303	£ 0 ∃03	0.303	0 • 303	303	0 303	0 • 303	0 303
34000	0.304	0.304	0.304	d 0 €	0.304	0.304	304	0 304	0.304	0 304
36000	0.306	0.306	0.306	908	0.306	0.306	306	908 0	9.306	0 306
38000	0.307	C.307	0.307	205 0	0.307	2000	307	0 = 307	0 • 30 7	0=307
40000	0.309	608.0	0.309	% 0	605.0	605.0	309	602=0	608.0	608=0
4.2000	0.311	0.311	0.311	311	0.311	0.311	0 311	0 311	0.311	0 311
000044	0.313	0.313	0.313	0 313	0.313	0.313	0 313	0 313	313	0 313
* 60 00 4	0.316	0.316	0.316	0.316	0.316	0.316	316	0 316	316	0 316
4 8000		0.319	0.319	0 319	0.319	0.319	0_319	0 319	319	0_319
90000	0.323	0.323	0.323	n) CE O	0.323	0.323	0 323	0 323	323	0=323
55000	0.332	0.332	0.332	0 33Z	0.332	0.332	0 332	0=332	0 m m	0=332
60000	0.343	0.343	0.343	0 343	0.343	0.343	343	0 343	.343	0 343
65000		0.356	0.356	0 355	0.355	0.355	355	0 355	355	0 355
70000	0.388	0.375	0.370	300	0.369	0.368	998	0 358	368	0 368
00052	0.469	0.412	0.392	385	0.383	0.383	385	0 382	382	0 382
00008	0.672	C.504	0.434	0,04	0.401	0.398	0 397	0=397	266.0	0=397
85000		0.701	0.525	a †	0.424	0.416	0 413	0 =412	5.412	0=412
00006	1.419	1.005	0.701	f 89	0.463	0.439		0 428	0.427	0 427
95000		1.363	0.963	89 0	0.532	0.473	0 452	0 445	M 4 4 * 0	0 442
100000	2.207	1,723	1.271	0.890	0.648	0.527	0 481	0 465	0.460	0 458
1 X B 0 0 0 .		3.155	2.697	2 202	1.722	1.279	0 921		0.592	0 553
150000	4.687	4 - 1 65	3.693	801 801	2.701	2.208	1 730	1 296	S 56 °	0 750

000	0 001	0 001	0 002	0 003	0 005	0 008	0 011	0 016	0 021	0 059	0 116		2.000	0 302	0 303	0 303	0 304	908 0	0 308	0 310	0 312	0 329	0 353
000	0.001	100.0	0.002	0.003	0.005	0.008	0.011	0.016	0.021	0.059	0.116		000.9	0 302	303	0 303	408 0	908 0	908	0 310	0 312	0 329	0 353
000 S	0 001	000	0 00.5	0 003	005	900	0 011	0.016	0_021	0=059	0.116		S_00.0	0 302	m 0 0	0.303	0.304	9306	0 3308	0 1310	0=31Z	0 329	0 353
000	0 001	000	0002	0 003	0 005	800 0	0 011	0 016	0 021	650 0	0 116		4 000	0_302	0 303	0 303	0 304	0 306	0 308	0 310	0.312	0.329	0 353
000 E	0 001	000	0 002	0 003	0 005	800 0	0 011	0 016	0 021	0.059	0 116		000 E	CI O • •	mor .0	0.303	0 304	0 306	905.0	0.310	0.312	0,329	0.353
2 • 000	0,001	0.001	0.002	0.003	0.005	0.008	0 0011	01010	0 021	0,059	0,116		000 N	0.302	0 • 30.3	0.303	0.304	0.306	0.308	0.310	0.312	0.329	0.353
000	0 001	0 001	0 002	0 003	0 005	900 0	0 011	0 016	0 021	0 059	0 116		000	0 302	0 303	80m o	0 B04	905-0	o 308	0.310	0 312	0=329	0 353
0000	000	00.0	000	0003	900 0	8000	0 011	0 016	0 021	0 0 29	0 116		0000	0.302	0.303	0.303	0.304	0.306	0.308	0.310	0.312	0.329	0.353
0000	0 001	0 001	0 002	0 003	500 0	800 0	0 011	0 016	0 021	680	c 116		1.000	C • 3 0 2	C-303	<.303	6.304	0.306	0.308	6.310	0.312	C.329	6.353
000 a	0.001	0.001	0.002	0.003	0.005	800.0	0.011	0.016	0.021	0.059	0.116	AR16	000	0.302	0.303	0.303	0.304	0.306	0.308	0.310	0.312	0.329	0.353
A OSG KYLWG PE	00009	62000	20000	75000	80000	85000	00006	95000	100000	125000	150000	ATGMIC SPECIES : AH	T OEG KALOG PE	€ 50 to ■	10000	7 50 00	00008	85000	00005	g0 056	100000	125000	150000

000	* * * * C C C C C C C C C C C C C C C C	000.0-	0000-0-	-0.001	-0.003	-0.030	690.0-	ø,	-0.247	* * * * * * * * * * * * * * * * * * *	-0.741	-0.900	-1.048	-1.183	-1-309	-1.428	-1.544	-1.664	-1.786	-1.916	-2,200	72.510	0000	2/100-	-3,912	-4.318	-4.738	-5.157	-5.567	-6.528	-7.409	-8.256	-9.114	-10.015	-10.622	-11-604	-12,595	-13.597	4.60	-19,726	-24.315
000•9	****	90	10.000	-0.008	-0.031	0	-0.419	-0.659	806.0-	11.144	-1.547	-1-716	-1.872	-2.024	-2.182	-2,353	-2.539	-2.741	-2.840	-3.052	3.481	4 4 4 4	14.403	026.41	-6.020	-6.552	-7.055	-7.536	-7.998	-9.112	-10.236	-11.431	-12.700	-13.989				-19.178	- 20 4 28	-26.564	-31.589
000	* * * O O O O O O O O O O O O O O O O O	000.0	-0.002	-0.067	-0.216	-0.819	-1.158	-1.465	-1.729	10.150	-2.334	-2.529	-2.750	-2.999	-3.267	-3.542	-3,816	-4.086	-4.358	14.634	-5.233	406.00	10000	1000	18.542	-9.002	-9.573	-10.140	-10.721	-12.231	-13.833	-15.479	-17.118	-18.768	-20.403	-22.018	-23.624	-25.210	-26.760	-33.708	-39.153
0 0 •	**************************************	0.002	-0.020	-0-404	-0.843	-1 720	-2 075	-2.371	12.625	C00-2-	13.451	-3.792	-4.131	-4.472	-4.800	-5.125	-5.458	າ ?:	-6.201	-6.615	-7.495	155.81	9.100	19.00.03 10.01	-11.228	-11.965	-12.739	-13.501	-14.243	-16.301	-18.317	NO . 343	-22,381	-24.360	126.332	-28.276	-30.180	-32.042	-33.845	-41,323	-46.631
3 • 000	**************************************	0.019	-0 - 160	-1.194	-1.758	-2.636	-2.965	-3.270	-3.607	14.013	-4.873	-5.278	-5.665	-6.052	-6.462	906-9-	-7.413	-7.945	-8.472	-8.983	296.6-	058.01-	111.097	12.580	-14.462	-15.382	-16.350	-17.375	-18.376	-20.820	-23.308	-25.726	-28.114	-30.484	-32,803	-35.072	-37.290	-39,356	-41.263	-48.814	-54 • 126
Z+000	**************************************	-0.153	-0.729	-2.151	-2.712	-3.531	-3.923	-4.408	4.952	13.4.6. 7.4.0.7.	-6.407	-6.861	-7,352	-7.915	-8.549	-9.185	-9.818	-10.409	-10.969	-11.506	-12,553	609.61-	6 to 0	10.000	-18.219	-19.424	-20.626	-21.771	-22.952	-25.915	-28.795	-31.636	-34.443	-37-179	-39.873	-42.402	-44.718	-46.825	-48.758	-56.313	-61.625
0 0 0	000.01		-1.643	-3.115	-3.634	-4.584	-5.234	-5.871	-6.461	066-0-	-8.093	-8.768	-9.522	-10.278	-10.993	-11.671	-12,314	-12.936	-13.554	-14.163	-15.529	-10.894	142.01	410.61-	-22.504	-23.369	-25.251	-26.665	-28.065	-31.445	-34.784	-38.079	-41.289	-44.411	-47.291	-49.877	-52.208	-54.328	-56.251	-63.812	-69-145
0 0 0 0	- 0.000 - 0.000 - 0.029	1.64	-2.628	-4.045	-4.576	-6.027	-6.752	-7.402	-8.006	0.000	-10.264	-11.140	-11:978	-12.766	-13.510	-14.231	-14.962	-15.703	-16.528	-17.343	-18.947	-20.513	102.00	12.00 00 00 00 00 00 00 00 00 00 00 00 00	-27.119	-28.777	-30.421	-32.022	-33.570	-37.442	-41.269	-45.007	-48.619	-51.882	-54.786	-57,383	-59.718	-61.833		-71.316	-76.735
000	10.000 10.000 10.000	-2.631	-3.612	-4.996	-5.805	-7.542	-8.270	-8.955	-9.708	-10.594	-12.703	-13.624	-14.486	-15.317	-16.167	-17.051	-18.023	-18.980	-19.916	-20.832	-22.670	124.650	100.001	170.450	-32.252	-34.121	-35,908	-37.661	-39.450	-43.887	-48.196	-52.37C	-56.09€	-59.377	-62.284	-64.881	-67.217	-69.332		-80.000	-80.000
-2 <u>0</u> 60	10.025	3.624	-4.574	-6.239	-7.305	650.6-	-9.838	-10.763	-11.935	-13.102	-15-204	-16.158	-17.119	-18.138	-19.264	-20.376	-21.452	-22.499	-23.528	-24.647	-26.925	-29.127	131.624	100.401	-37.763	-39.657	-41.715	-43.777	-45.806	-50.727	-55,559	-59,853	-63.553	-66.876	-69.784	-72,381	-74-717	-76.831	-80.000	0	-80.000
. DEG K/LOG PE	50000 6000 7000	• 0006	10000.	1 2000 .	1 30 00 •	15000	1,6000.	17000.	18000.	. 0000	21000	22000.	23000.	24000.	25000.	26000.	27000.	28000.	29000	30000	32000.	34000	38000	38000	42000	4 4000 *	46000.	48000.	20000	55000.	.00009	65000.	00	75000.	80000	8 5000.	• 00006	95000	1000001	125000.	150000.

ד סבק א/וליק סד	-2.000	-1.000	0.00 • 0 -	0000	2 * 000	0 0 0 m	0 0 e	000 IS	00°9	7•000
5000	-4.087	-5.086	-6.083	-7.078	***	**	***	***	***	* * * * *
.0009	-1.258	-2.235	-3.231	-4.227	-5.218	-6.199	-7.159	***	**	***
7000	-0.060	-0.394	961*1-	-2.167	-3.158	-4.142	-5.106	-6.023	*****	*
8000		-0.017	-0.146	969.0-	-1.603	-2,580	-3.550	-4.505	-5.400	-6.347
•0006	0000-0-	-0.001	0.010	060.0-	-0.517	-1:367	-2,325	-3,283	-4.191	-5 144
100001	-0.006		-0.001	0.10-0-	060.0-	-0.511	-1:349	-2.294	-3 211	-4-169
11000.	-0.115	-0.013	100 00-	-0.005	-0.015	-0.125	-0.625	-1.487	-15.401	-3 362
12000.	-0.728	-0.157	610.0-	-0.002	-0.003	-0.029	-0.218	-0.847	-1.722	-2 582
13000.	-1.634	-0-716	-0.153	-0.018	-0.003	-0.008	190.0-	-0.406	-1.159	-2 101
14000.	-2.475	-1.489	-0.601	-0-114	-0.013	-0.004	-0.022	-0-174	-0.714	-1 504
15000.	-3.216		-1.243	-0.424	-0.067	-0.008	600.0-	-0-072	-0.399	-1 181
16000.	-3.902		-1.876	-0.928	-0.243	-0.032	T00.0-	-0-032	-0.208	0Er 0-
17000.	-4.682			-1.468	-0.587	-0-110	-0.014	-0 016	-0.108	0 0 0 0 I
18000.	-5.604	-4.093	-2.967	-1,973	-1.019	-0.291	-0.041	-0 012	-0.058	-0.363
19000.	-6.466	-4.851	-3.479	-2.430	-1.455	-0 • 580	-0.109	-0 017	-()+034	-0.232
20000.	-7.212		-4.064	-2.357	-1.861	-0.924	-0.244	-0 035	-0.023	***
21000.	-7.872	-6,311	-4.720	-3.300	-2,232	-1.272	-0.452	-0 076	-0.021	-0.188
22000.	-8.489	-6.924	-5,352	-3.806	-2.587	-1.600	-0.707	-0.154	-0.027	-0.160
23000.	-9.126	-7.485	-5,926	-4.354	-2.955	-1.905	976.0-	-0 276	-0.044	-0.345
24000.	-9.858	-8.026	-6.447	-4.884	-3,368	-2,195	-1.239	-0 439	-().077	-0.038
25000.	-10.710	-8.592	-6.932	-5,373	-3.813	-2.490	-1.488	-0_628	-()-131	-0.037
26000	-11.566	-9.238	-7.403	-5.824	-4.266	-2.807	-1.724	-0_826	-0.210	-0.044
27000.	-12.404	196.6-	-7.889	-6.246	-4.689	-3.161	-1.956	-1,021	-0.313	-0.059
28000.	-13.227	-10.707	-8.424	-6.653	-5.084	-3.530	-2.198	-1 209	-0.435	-0.082
29000+	-14.047	-11.434	-9.026	-7.061	-5.454	-3.892	-2.463	-1 392	-0.568	9110-
30000 *	-14.969	-12:153	-9.653	-7.485	-5.807	-4.237	-2.747	-1,580	-0.706	-0.1p3
32000	-16.887	-13,632	-10.907	-8.476	-6.495	-4.881	-3.338	-1-070	626.0-	-0.25
34000.	-18.767	-15,300	-12,152	-9.531	-7.245	-5.464	-3.900	-2415	-1.,253	ar a
36000.	-20.575	-16.952	-13,556	-10.604	-8.095	-6.042	-4.414	-2 875	-1.549	C6m O-
38000	-22.519	-18.524	-14.987	-11.707	-8.975	-6.669	-4.892	-3 328 5	-1.883	-0.762
40000	-24.470	-20.187	-16.365	-12.927	-9.870	-7.360	-5,355	-3.751	-2.242	-0.948
4 20 0 0 °	-26.334	-21.882	-17,749	-14.139	-10.852	-8.080	-5.872	-4.147	-2.594	-1.160
44000.	-28.127	-23,550	-19.206	-15,302	-11.858	-8.817	-6.402	-4.536	-2.948	-1.402
46000.	-29.959	-25.151	-20.664	-16.498	-12.877	009.6-	-6.964	-4.921	-3.278	-1.664
48000	7) (-26.732	-22,093	-17.746	-13.858	-10,453	-7.569	-5-31 R	-3.592	-1.933
20000	-33.717	-28,362	-23,480	-18.988	-14.867	-11.294	-8.189	-5 736	265 6	-2.200
55000	-38.281	-32.442	-26,996	-22,006	-17.485	-13,372	-9.841	-6-901	-4.684	-2.837
• 00009	-42.809	-36.445	-30.517	-25.043	-20.050	-15.556	-11.562	061 8-	-5.512	-3.435
65000.	-46.838	-40.354	-33.990	-28.067	-22.628	-17.709	-13,336	-9 561	-6.443	-4.031
.0000	-50.344	-43.846	-37,369	-31.046	-25.204	-19.863	-15.128	-10 935	-7.471	-a- 667
75000.	-53.419	-46.920	-40.424	-33,964	-27 • 735	-22.035	-16,899	-12,390	-8.550	- B. 369
80000	-56.141	-49.641	-43.143	-36,652	-30 • 234	-24.169	-18.686	-13,827	-9.654	□ 6.139
35000	- 38.569	-52.070	-45,571	-39.074	-32 + 593	-26.269	-20.461	-15,267	-10.787	-6.957
• 00006	-50.752	-54.253	-47.753	-41.255	-34.764	-28 - 325	-22,213	-16.714	-11.923	-7.800
.00056	-52.727	-56.227	-45.728	-43.229	-36.733	-30.251	-23.935	-18.169	-13.065	-8.663
100000	10	-58.024	-51,525	-45.026	-38.528	-32.029	-25.622	-19,5560	-14.214	19.540
125000.	71.5	-65.061	-58,561	-52.062	-45.563	-39.060	-32.567	- 1	-108.61-	-13.979
150000.	-77.968	-70.549	-63.596	-57.011	-50.502	43.996	-37.492	a 00 18-	-24.543	-18.192

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5000	-20.690		-24.685	-26.679	***	***	***	***	***	***
• 0009	-13.016	4	-16.989	-18,983	-20.972	-22=946	4	****	**	***
7000	8.329	299*6-	4	-1.3,435	-15.423	-17-402	-19,354	-21.241	***	***
8000	15.633	0.04		9.525	-11.231	-13=204	-15.163	-17.094	ຕໍ່ເ	-20.801
• 0000	7000	. 0 \ . 0 \	2/0°C-	100.0		2004-7-	11.0673	13.610	20001-	166.71-
11000	\$\$0.01 \$\$0.01		0.00.0	9.5.5.4	4.531	004	72.132	040-8-	10.864	110.758
12000	060-0-	4 15 0 -	-1.380	-2.363	-3.364	-41387	-5.570	-7.187	980.6-	-10.947
13000	-0.010	0	-0.529		-2.377	-31381	-4.435	-5.763	, r -	
14000.	-0.002	-0 014	-0.125	-0.638	-1.537	-2#526	-3.540	-4.681	661.9-	8
15000.	-0.009		-0.026	-0.205	-0.847	-1 . 7e 7	-2.784	-3.837	-5.144	-6.890
16000.	-0.073	-0 008	-0.007	-0+055	-0.363	-1.155	-2.127	-3.143	-4.301	-5.891
17000.	-0.361	-0 053	-0.007	-0.016	-0.130	-0.651	-1.552	-2.546	-3.620	-5.041
18000	-0.931	-0 244	-0.032	-0.008	-0.044	-0.311	-1.057	-2.021	-3.051	-4.327
19000	-1.579	-0 672	-0.137	-0.017	-0.017	LO 133	-0.656	-1.557	-2.558	-3.730
20000	-2.197	-1 222	-0.410	-0.064	-0.013	950 0-	-0.367	-1.150	-2.123	***
21000.	-2.769	-1 774	- 0.836	-0.201	-0.027	-0 026	-0.190	-0.805	-1.735	-2,778
22000.	-3.308	-2 292	-1.314	-0.472	620.0-	-0 020	960-0-	-0.529	-1.388	-2,399
23000.	-3.857	12.14	-1.781	-0.844	-0.205	-0 031	-0.051	-0.329	-1.081	-2.060
24000.	-4.470	r)	-2.219	-1.247	-0.428	0.00	-0.033	-0.198	-0.815	-1.755
25000	-5.136	-3 70E	-2.627	-1.645	-0.728	651 0-	-0.033	-0-119	-0.595	-1.479
26000.	-5.780	-4 217	-3.014	-2.014	-1.060	918	-0.052	-0.075	-0.422	-1.231
27000.	-6.371	-4 764	-3.400	-2.360	-1 - 392	-0-534	-0.100	-0.054	-0.293	-1.011
28000.	-6.926	5 300		-2.684	-1.709	-0.793	-0.187	-0.050	-0.202	-0.825
29000	-7.489	ហ		-2.995	-2.005	-1.064	-0.321	-0.063	-0.143	-0.660
.0000	-8.132	-6.286		-3.307	-2.279	-1.331	-0.496	160.0-	-0.105	-0.524
32000.	-9.576	-7.311	-5.533	-3.992	-2.773	-1.822	-0.911	-0.247	-0.080	-0,326
34000.	-11.022	-8-539	-6.380	-4.700	-3.279	-2.244	-1.327	-0.508	-0.115	-0.212
36000.	-12,433	-9.798	-7.388	-5.404	-3.833	-2.618	-1.696	-0.826	-0.220	-0.156
38000	-14.018	-11.021	-8.470	-6.184	-4.409	-3*006	-2.011	-1.141	-0.396	-0.146
40000	-15.641	-12,358	-9.533	-7.075	-5.006		-2.293.	-1.425	-0.615	-0.180
42000.	-17.207	-13,755	-10.621	-7.993	-5.643	106 E	-2.593	-1.670	-0.848	-0.261
44000.	-18.727	-15.150	-11.804	-8.897	-6.432	168.4-	-2.907	-1.891	-1.068	-0.381
4 60 00 •	-20.307		-13.011	-9.843	-7.201	-4.937	-3.241	-2.100	-1.265	-0.525
48000.	-21.964	-17.847		-10,859	796.7-	-5.543	-3.634	-2.316	-1.440	-0.678
50000	-23.616	-19.260	-15,378	-11.885	-9.761	-6.176	4	-2.554	-1.599	-0.827
52000	-27.702	-2Z-805	014.81-	-14.426	-10.903	864	-5,251	-3.280	-1.98R	-1.155
. 00009	-31.822	-26,458	-21.531	-17.055	-13.062	-9.564	-6.586	-4.181	-2.457	-1.437
65000.	-35.500	-30, 016	N)	-19,728	-15.289	-11.381	-7.987	-5.209	-3.061	-1.729
70000	-38.699	-33 ZoZ	S :	-22.400	-17.553	0 2 • m I	-9.473	-6.303	-3,811	-2.081
75000.	-41.503	-36 004	0.80	-25.047	-19.818	-15.124	-10.981	-7.463	-4.626	-2.524
80000	-43.983	-38 483	3	-27.494	-22.075	-17.018	-12.526	-8.669	-5.492	-3.057
85000•	-46.194	-40 694	3	-29.698	-24.222	-18.904	80.	-9.888	-6.404	-3.657
• 00006	-48.180	-42 681	7.18	-31.682	-26 • 191	-20.758	-15.640	-11:151	-7.347	-4.325
• 00056	-49.976	-44 476		-33.477	-27.981	-22.507	-17.191	-12.409	-8,311	-5.006
1000001	-51.608	-46 109	-40.609	-35,110	-29.612	-24.123	-18.701	64	-9.292	-5.715
125000.	-58.000	-52 491	66	-41.491	-35.992	-30.494	-24.997	-19.522	-14.227	-9.477
150000*	-63.925	-57 506	-51.553	-45.967	-40.458	-34.959	-29.457	-23.964	-18.497	-13.189

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6.000	**************************************	-13.483
5°00	***	-17.956
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000	-60.135 -145.379 -126.924 -10.924 -13.4.759 -10.924 -10.026 -10.010 -1	-35.962
000	- 57. - 143. - 143.	-40.548
000		-45.502
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T OSE K/LDG PE	50000 1100000 1100000 1100000 1100000 120000	150000.

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0 0 0 9	*****	****	-75.153	-64.598	-56.120	å	•	-38,303	-34.064	-30.442	-27.347	•	-22,320	-20.227	-18.346	-16.643	-15.096	-13.689	-12.412	-11,256	-10.215	-9.280	-8.439	-7.678	-6.984	-5.764	-4.739	-3.899	-3.232	-2.700	-2.260	-1.882	-1.550	-1.256	-0.996	-0.506	-0.259	-0.252	-0.441	-0.754	-1.141	-1.586	-2.083	-2.610	-3.175	-6.348	-9.348
000 000	***	-80 •000	-71,398	609.09-	-52.289	-45.286	-39,460	-34.608	-10.577	-27.156	-24.216	-21.620	-19.312	-17.245	-15.390	-13.729	-12.252	-10.951	908.6-	-8.792	17.882	-7.055	-6.302	-5.614	-4.992	-3.949	-3.157	-2.545	-2.042	-1.609	-1.232	-0.907	629*0-	-0.433	-0.289	-0 187	004.0	0-8-0-	-1.344	-1.948	-2.601	-3.287	-4.032	-4.810	-5.623	449.674	-12.826
9	-80.000	-80 • 0 00	-67.493	-56.894	-48.383	-41.459	-35.861	-31.296	-27.448	-24.123	-21.209	-18.635	-16.356	-14.351	-12.613	-11-119	-9.825	-8.679	-7.648	-6.713	-5.866	-5.109	-4.447	-3.881	-3.403	-2.636	-2.021	-1.498	-1.053	-0.688	-0.416	-0.242	-0.155	-0-144	-0.203	-0.620	-1.249	-2.000	-2.833	-3.691	-4.606	-5.578	-6.583	-7.635	-8.692	-13.157	-16.319
0000 E	-80.000	-77.108	-63.548	-52,957	-44.560	-37.974	-32,684	-28.247	-24.439	-21.130	-18.241	-15.737	-13.612	-11.830	-10.305	-3.959	-7.752	-5.662	-5.689	-4.843	-4.133	-3.549	-3.061	-2.638	-2.253	-1.597	-1.041	-0.603	-0 • 306	-0.154	-0.107	-0.150	-0.286	-0.509	-0.790	-1.620	-2.627	-3.686	-4.767	-5.939	-7.147	-8.429	-9.728	-10.972	-12.122	-16.653	-19.817
2_000	-80.000	-73.136	-59.581	-49.115	-41.145	-34 . 869	-29.663	-25.246	-21.452	-18.192	-15.456	-13.218	-11.347	-9.716	-8.263	-6.962	-5.813	-4 • 8 33	640.4-	-3.416	-2,885	-2.413	-1.997	-1.613	-1,263	-0.582	-0.301	-0.123	-0.082	-0.150	-0.343	-0.648	-1.016	-1.415	-1.851	-3.122	-4.423	-5.761	-7.189	-8.673	-10.253	-11.771	-13.175	-14.452	-15.614	-20.152	-23.317
000	-80.000	-69.150	-55.67B	-45.92	-38.068	-31.858	-26.664	-22,263	-18.554	-15_541	-13.143	-11.104	-9.311	-7.717	-6.315	-5.136	-4.207	-3.479	-2 a?	-2 338	-1 355	-1 418	-1 028	969 0-	984 0	-0-143	-0.062	-0.109	-0.313	-0.677	-1.124	-1.607	-2.141	-2.746	-3,396	-4.971	-6.579	-8.275	-10.075	-1.1.934	-13.678	-15.252	-16.669	-17.950	-19,113	-23.651	-26.826
0 0 0 0	0	-65.181	Ŋ	-42.612	-35.060	-28.858	-23.681	-15,398	-16.042	-13.37Z	-11.095	960.6-	-7.530	-5.837	-4.661	-3 7⊤3	-3,051	-2,421	-1 0555	-1.347	-0.904	-0.545	-0.294	-0.146	0.074	-0 054	06m 0-	10 55U	-1.067	-1.628	-2.245	-2.962	-3.747	-4.521	-5.259	-7.142	-5.125	-11 238	-13.410	-15.400	- 7e171	-18,751	-20.169	-21.450	-22.613	-27.151	-30.412
0 0 1	-80.000	-61.380	-49.002	-39.604	-32.060	-25.870	-20.815	-16.562	-13.931	-11:350	-9.097	-7.142	-5.548	-4.372	-3.474	-2.712	-2.038	-1.429	-0.905	-0.494	-0.231	660.0-	-0.046	-0.035	0.90 *0-	-0.288	-0.807	-1.444	-2.122	-2.915	-3.833	-4.761	-5.636	-6.487	-7.371	-9.672	-12.089	-14.611	-16.891	-18.897	-20.671	-22,251	-23.669	-24.950	-26.113	-30.652	-34,365
0000	-75.166	-58.046	-45.987	-36.603	-29.066	-22.973	-18,391	-14.880	-11.918	-9.355	-7.162	-5.450	-4.235	-3.280	-2.451	-1.713	-1.068	-0.554	-0.231	-0.084	-0.034	-0.028	-0.061	-0.161	-0.364	-1.020	-1.769		-3.579	-4.677	-5.728	-6.716	-7.722	-8.788		-12.549	-15.462	-18.098	-20+390	-22.397	-24.171	-25.751	-27.169	-28.449	-29.613	-34,161	-38.784
DEG KZLOG WE	0009	7000	8000	0006	10000	1 10 00	1 2000	13000	14000	15000	1 6000	17000	18000	1 90 00	20000	21000	22000	23000	24000	25000	26000	27000	28000	29000	30000	32000	34000	36000	38000	40000	4.2000	4 4000	4 60 00	48000	20000	55000	00009	£5000 	70000	7.5000	80000	85000	■ 00.006	= 00 00 6	100000	125000=	150000=

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4.000		-5.384 -8.792 -11.158
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2.000	-80.000 -71.343 -61.533374 -40.506 -40.506 -40.506 -11.310 -12.825 -18.853 -18.853 -18.853 -19.825 -7.809 -10.005 -0.005 -0.008	-10.419 -13.806 -16.161
000	-677.5266 -57.52669 -37.52669 -31.735699 -31.735699 -21.1356999 -13.735699 -13.735699 -13.735699 -13.7359 -13.7359 -13.7359 -13.7359 -10.468 -10.468 -10.207	-12.928 -16.307 -18.670
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ATOMIC SDECIES

7.000	80.000	80.000	-80.000	-80.000	-80.000	****	-80.000	-74.190	-69.727	-65.632	-61.860	-58,375	-55.148	-52,162	-49.384	-46.800	-42.153	-38.096	-34.521	-31,351	-28.531	-26.021	-23,785	-21.780	-19.965	-18.309	-14.718	-11.745	-9.277	-7.247	5.605	4.296	3.254	-2.422	-1.766	-1.257	-0.218	1-424
	80	1	1	80	60	*	81	1	9-	9	9-	Ŝ	5	1.5	4	Ť	4-1	E -	ij	Ŋ	2	12	-2	12	-	7	7	7	Ĭ	ī	ï	7	ï	ï	ī	ī	Ĭ	1
9.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-73.120	-68.262	-63.824	-59.762	-56.038	-52,622	-49.483	-46.592	-43.918	-41.436	-36.965	-33.060	-29.648	-26.671	-24.052	-21.717	-19.610	-17.693	-15.941	-14.334	-10.885	-8.153	-6.029	-4.403	-3.152	-2.188	-1.466	-0.938	-0.569	-0.335	-0.418	-1.033
000 S	-80.000	-80.000	-80.000	-80.000	-80.000	-72.522	-67.223	-62,433	-58,100	-54.170	-50.589	-47.304	-44.275	-41.471	-38.871	-36.460	-32,165	-28.492	-25,309	-22,497	-19.977	-17.705	-15.650	-13.796	-12,130	-10.639	-7.580	-5.314	-3.637	-2.384	-1.484	-0.858	-0.448	-0.226	-0.151	-0-188	-1.120	-1.658
000	-80 •000	-80.000	-80.000	-80 •000	-72.501	-66.751	-61.621	-57.012	-52.836	-49.020	-45.518	-42.297	-39,336	-36.624	-34.145	-31,878	-27.860	-24.364	-21,270	-18,515	-16.062	-13.894	-11.990	-10.318	-8.847	-7.560	-5.026	-3.198	-1.905	-1.040	-0.484	-0.201	-0.128	-0.210	-0.420	-0.708	-1.866	-2.215
0 0 0 n	-80 • 000	-82.000	-80.000	-73.214	-66.984	-61.446	-56.464	-51.943	-47.822	-44.065	-40.651	-37.567	-34.779	-32.241	-29 • 905	-27.739	-23.824	-20.387	-17.378	-14.773	-12.531	-10.588	-9.901	-7.452	-6.218	-5.155	-3.057	-1.663	-0.775	-0.274	-3.112	-0.175	-0.430	608 • 0-	112.1-	-1.577	-2,503	-2.736
2.003	-80.000	-80.000	-74.782	-67.949	-61.871	-56.407	-51 • 458	-47.005	-42.999	-39.426	-36.225	-33.320	-30.650	-28 • 179	-25.882	-23.743	-19.910	-16.643	-13,899	-11.548	-9.529	-7.825	-6.402	-5.187	-4.134	-3 235	-1.632	-0.649	-0.173	-0.100	-0.293	-0.731	-1.241	-1.719	-2 • 125	-2.446	-3.059	-3.243
0 0 0 0	-80.000	-77.277	-69.668	-62,915	-56.873	-51.459	-46.643	-42.401	-38.641	-35,250	-32,148	-29.291	-26.650	-24.210	-21.966	-19.916	-16.372	-13.410	-10.886	-8.779	-7.057	-5.610	-4.367	-3,325	-2.491	-1.830	-0.652	-0-133	-0.108	-0.436	-1.026	-1.643	-2.191	-2.641	-2.975	-3.197	-3.578	-3.756
0 0 0 0	-80.000	-72,230	-64.661	-57,939	-51,993	-46.805	-42.280	-38.244	-34.583	-31,233	-28.157	-25,339	-22.778	-20.476	-18.416	-16.555	-13.283	-10.537	-8,330	-6.535	-5.011	-3.737	-2.738	-1.967	-1.339	-0.821	-0.133	-0.104	-0.528	-1.259	-1.982	-2.609	-3.114	-3.473	-3.693	-3.821	-4.084	-4.347
-1 = 00 G	-75.784	-67.232	-59.707	-53.152	-47.528	-42,618	-38.219	-34.229	-30.592	-27.282	-24,304	-21,667	-19,331	-17.228	-15,305	-13.541	-10,517	-8-155	-6.221	-4.592	-3,308	-2.344	-1.583	-0.953	-0.474	-0.193	-0.076	-0.527	-1.392	-2,233	-2.958	-3.538	-3.938	-4.168	-4.293	-4.369	-4.587	-5,305
-2 000	-70.789		-55.015	-48.839	-43.436	-38.555	-34.220	-30.262	-26.717	-23.609	-20.895	-18.469	-16.260	-14.243	-12.431	-10.845	-8.249	-6.117	-4.362	-3.056	-2.088	-1.296	-0.659	-0.253	-0.083	-0.048	-0.409	-1.390	-2.373	-3.218	-3.900	-4.370	-4.626	-4.755	-4.830	-4.885	-5.097	-6.715
T OEG <td>15000</td> <td>1 6000</td> <td>17000</td> <td>18000</td> <td>1 9000</td> <td>20000</td> <td>2 1000</td> <td>22000</td> <td>23000</td> <td>24000</td> <td>25000</td> <td>26000</td> <td>27000</td> <td>28000</td> <td>29000</td> <td>30000</td> <td>3 20 00</td> <td>34000</td> <td>36000</td> <td>38000</td> <td>40000</td> <td>4 20 00</td> <td>44000</td> <td>46000</td> <td>48000</td> <td>20000</td> <td>55000</td> <td>00009</td> <td>65000</td> <td>70000</td> <td>75000</td> <td>80000</td> <td>85000-</td> <td>■ 00006</td> <td>95000</td> <td>1000001</td> <td>125000.</td> <td>1500001</td>	15000	1 6000	17000	18000	1 9000	20000	2 1000	22000	23000	24000	25000	26000	27000	28000	29000	30000	3 20 00	34000	36000	38000	40000	4 20 00	44000	46000	48000	20000	55000	00009	65000	70000	75000	80000	85000-	■ 00006	95000	1000001	125000.	1500001

DEG KZLOG PE	-2.000	-1.000	0 0 0 0	1 • 00 0	2.000	3 • 000	4.000	5.000	000*9	7.000
18000	-76.857	-80.000	-80.000	-80.000	-80.000	-80 • 000	-80 000	-80.000	-80.000	-80-000
19000	-69.280	-74.372	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000
20000	-62.481	-67.503	-72.690	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	*****
21000	-56.331	-61.330	-66.390	-71.753	-77.578	-80.000	-80.000	-80.000	-80.000	-80.000
2 20 00=	-50.756	-55.723	-60,739	-65,895	-71.500	-77.437	-80.000	-80.000	-80.000	-80.000
2 30 00	-45.734	-50.609	-55.600	-60.658	-66.016	-71.839	-77.851	-80.000	-80.000	-80.000
24000	-41.269	-45.943	-50.893	-55.910	-61.086	-66.725	-72.679	-80.000	-80.000	-80.000
25000	-37.306	-41.71.6	-46.568	-51,559	-56.636	-62.062	-67.928	-73,995	-80.000	-80.000
26000	-33.725	-37.922	-42,595	-47.547	-52.576	-57.822	-63.551	-69,556	-75.869	-80.000
27000	-30.445	-34.516	-38,963	-43.835	-48 . 835	-53.964	-59.520	-65.456	-71.659	-80.000
28000	-27.432	-31.417	-35,665	-40.399	-45.368	-53.429	-55.811	-61.656	-67.772	-74.334
29000	-24.691	-28.565	-32.677	-37.226	-42.142	-47.165	-52.404	-58.128	-64.169	-70.626
30000€	-22.238	-25,934	-29.948	-34.309	-39.136	-44.130	-49.270	-54.849	-63.820	-67.175
32000	-18.066	-21.334	-25.099	-29.188	-33.727	-38.640	-43.675	-48.978	-54.773	-60.952
34000	-14.540	-17.578	-20.040	-24.832	-29.071	-33,809	-38.785	-43.911	-49.474	-55.500
36000	-11.545	-14.401	-17,510	-21.065	-25.078	-29.557	-34.449	-39.485	-44.820	-50.683
38000	-9.121	-11.658	14.10	-17.844	-21.513	-25.838	-30.579	-35.559	-40.727	-46.399
40000	-7.148	-9.365	10.01	-15.117	-18.588	-22.591	-27 - 121	-32.034	-37-103	-42,573
4 20 00	-5.444	-7.492	Sme a -	-12.758	-15.974	-19.736	-24.042	-28.850	-33,857	-39.152
44000	-3.976	-5.901	-8.056	-10.684	-13.719	-17.219	-21.306	-25.965	-30.920	-36.085
4.6000	-2.810	-4.511	-6.524	-8.882	-11.744	-15.009	-18.874	-23,351	-28.244	-33,320
48000	-1.942	-3,334	-5.198	-7.350	-9.993	-13.076	-16,706	-20.987	-25.793	-30.808
20000€	-1.263	-2.408	-4.037	-6.045	-9.450	-11.370	-14.774	-18.852	-23.543	-28,509
55000	-0.216	-0.882	050-1-	-3,459	-5.433	-7.863	-10.832	-14.384	-18.686	-23.510
00009	-0.018	-0.154	-0 731	-1.760	-3.276	-5.290	-7.824	-10.939	-14.774	-19,360
6 50 00 .	-0.002	-0.018	-0 154	-0.734	-1.799	-3.400	-5.529	-8.260	-11.649	-15.890
70000	000.0	-0.003	TO 025	-0.200	-0.863	-2.038	-3.802	-6.145	-9.161	-12.998
75000	000-0-	0000-	500 0-	-0.043	-0.313	-1.125	-2.496	-4.495	-7.160	-10.607
00008	000.0	0 00 • 0 -	100 0-	-0.010	060*0-	-0.531	-1.555	-3.211	-5.538	-8.640
85000	000.0-	0000-	000 0-	-0.003	-0.025	-0.207	-0.901	-2.219	-4.233	-7.015
₩00006	-0.000	0000-0-	000 0	-0.001	-0.008	-0.074	-0.466	-1.478	-3.187	-5.664
100056	000.0	000-0-	000 0-	000.0-	-0.003	-0.028	-0.216	-0.939	-2.352	-4.542
1000001	000.0-	-0.00 c		0000-0-	-0.005	-0.012	960.0-	-0.559	-1.698	-3,613
125000.	-0.010	-0.001		000.0-	-0.000	-0.001	900-0-	-0.035	-0.226	-0.981
150000.	-1.460	-0.547	160 0-	-0.011	-0.001	-0.001	-0.003	-0.010	-0.043	-0.225

21 aa
3 -80 000 4 -71 650 7 -63 429 9 -56 300
9 -50 049 13 -444 523 10 -39 600 13 -35 185 11 -15 982 4 -6 271
PR13 -2_000 -1_000 -0_000
-72.185 -76.185 -80.000 -64.253 -68.293 -72.293 -57.263 -61.263 -65.264 -50.961 -54.961 -58.961 -45.278 -49.278 -53.278 -23.569 -27.560 -31.559 -10.354 -13.481 -17.031
AR14 -2_000 -1_000 -0_000
-73.560 -80.000 -80.000 -80_000 -65.998 -70.998 -75.998 -80_000 -37.117 -42.106 -47.107 -5z_107 -19.125 -23.211 -27.761 -3z_675
AR15 -2_000 -1.000 -0_000
-53°728 -55.719 -65.718 -71.718 -30.004 -35.491 -41.041 -46.955
-Z*000 -1 000 -0 000
-73.350 -80.000 -80.000 -80.000 -44.118 -50.205 -56.453 -63.669

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WES K/LOG PE	000	000	0 0 0	1 000	0 0 0	0 0 0	4	000 n	000	000 1
5000	-3.657	-3,324	-2.991	-2.658	***	34	****	****	***	****
000	-3.684	-3,350	-3.017	-2.684	-2.351	G	-1.684		***	* * * * * * * * * * * * * * * * * * * *
O	-3.716	-3,373	-3.039	-2.706	-2,373	0	-1.706	-1.373	***	***
8000	-3.726		-3.059	-2.725	•39	-2.059	-1.725	-1.392	-1.198	-0.888
■0006	-3.742	-3.409	-3.077	-2,738	40	-2.076	-1.742	-1.409	-1.198	
10000	-3,757	-3.424	-3.091	-2.759	-2.424	-2.091	-1.758	-1.424	-1+198	•
11000	-3.757	-3.436	-3.104	-2.772	-2.440	-2.105	-1.772	-1.438	-1.198	-0.888
12000	-3.767	-3.435	-3.114	-2.784		-2.122	-1.784	-1.451	-1.198	-1.004
00	-3.770	-3.446	-3.113	-2.792	٠	-2,130	-1.796	-1.463	-1.198	-1.004
0	-3.779	-3.448	-3.127	-2.792	å	-2.140	-1.810	-1.473	-1.198	-1.004
15000	-3.789	-3.456	-3.126	-2.810	٠	Q.	-1.818	-1.490	-1.198	-1.004
16000	-3.799	-3.465	-3.132	-2:805	ΛI	-2.153	-1.826	-1.497	-1-198	-1.004
2	-3.809	-3.474	-3.141	-2.809	-2.489	-2.153	-1.832	-1.503	-1.198	-1.004
18000	-3.803	-3.490	-3.148	-2,816	-2.487	-2.160	-1.836	-1.510	-1.198	-1.004
19000	-3.806	-3.481	-3.157	-2,823	-2.492	-2.160	-1.840	-1.515	-1.198	-1.004
20000	-3.813	-3.482	-3.163	-2.829	-2.498	-2.171	-1.840	-1.519	-1,198	***
21000	-3.820	-3.487	-3 • 1 59	-2.839	-2.504	-2.174	-1.843	-1.524	-1.199	-1.004
2 Z000=	-3.825	-3.493	-3.162	-2.841	-2.509	-2.179	-1.847	-1.525	-1,203	-1.004
Z3000	-3.832	664.5-	-3.167	-2.839	-2.516	-2.183	-1.857	-1.527	-1.207	-1.004
24000	-3.840	-3.505	-3.173	-2.842	-2,522	-2.18.7	-1.860	-1.529	-1.210	-1.004
25000	-3,831	-3.513	-3.178	•	-2.520	-2.192	-1,863	-1.533	-1,212	-1.004
26000	-3.837	-3.519	-3.184	-2.851	-2,521	-2.202	-1.867	-1.537	-1.214	-1.004
27000	-3.842	-3.516	-3.192	-2.856	-2,525	-2.202	-1.869	-1.541	-1.218	-1.004
28000	-3.845	-3.514	-3.199	-2.862	-2.529	-2.232	-1.873	-1.548	-1,218	-1.106
29000	-3.861	-3.619	-3.196	-2.868	-2.534	-2.204	-1.873	-1.549	-1.221	-1.106
30000	-3.847	-3.522	-3.196	-2.830	-2.539	-2.207	-1.876	-1.551	-1,4225	-1.106
32000	-3.856	-3.639	-3,198	-2.877	-2.551	-2.215	-1.886	-1.557	-1,232	-1.106
34000	-3.861	-3.531	-3.219	-2,880	-2.561	-2.224	-1.892	-1.560	-1.237	-1.106
36000■	-3.882	-3.537	-3.206	-2.878	-2.559	-2.239	-1.899	-1.571	-1.241	-1.106
38000	-3.872	-3.560	-3.213	-2.896	-2,563	-2.244	-1.908	-1.576	-1.245	-1.106
40000	-3.879	-3.546	-3,232	-2.888	-2.574	-2.243	-1.921	-1.582	-1.250	-1-106
■00024	-3.886	1.3°563	-3.237	-2.893	-2.562	-2.246	-1.914	-1.590	-1.260	-1.106
4 4000	-3.892	-3.560	-3.226	-2.915	-2.568	-2.255	-1.918	-1.591	-1.261	-1.106
0009	-3.893	-3.566	-3,233	-2.916	ล้ เ	-2.259	-1.930	-1.596	-1.267	-1.106
48000	868.5-	-3.570	-3.239	Ň	1 × 0 × 0	147.7	026.1-	000-1-	-1.272	001-1-
50000	-3.903	-3.570	-3.244	O.	-2.596	-2.252	-1.928	-1.603	-1.277	-1-106
00000	-3.910	-3.582	-3.251	-2.924	-2.592	-2.278	-1.940	-1.611	-1.287	-1.106
00009	-3.923	-3.590	-3,260	-2.930	-2.603	-2.271	-1.960	-1.618	-1.294	-1.106
00000	-3.935	-3.601	-3.268	-2.938	-2.608	-2.282	-1.950	-1.626	-1.300	-1.106
70000	-3.945	-3.612	-3.279	-2.945	•	-2,285	-1.960	-1.645	-1.307	-1.106
75000	-3.955	-3.622	-3.289	-2,955	-2.622	-2.294	-1.966	-1.637	-1,313	-1.106
80000	-3.965	-3.631	-3.298	-2.965	-2.631	-2.298	-1.971	-1.645	-1.319	-1.106
85000	Ç,	-3.040	-3 .307	-2.973	S	-2,307	-1.977	-1.650	-1.321	-1.106
■00006	О. •	-3.648	-3,315	-2,982	9	31	-1,982	-1.654	-1,329	-1.106
■00095	-3.990	-3.656	-3,323	-2.990	-2.656	• 32	-1.990	•	•	-1.106
100000	-3.997	-3.664	-3,330	-2.997	U)	2	-1:997	٠	E. 1	-1.106
125000	-4.029	-3.696	-3,363	-3.029	-2.696	-2.363	-2.029	-1.696	W.	-1.106
150000	9	-3.720	-3,389	-3.056	C)	m)	-2.056	-1.722	-1,389	-1.106

AR 3

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ATCMIC SPECIES

-1 148 -1 158 -1 168 -1 178 -1.186 -1.203 -1.224 -1.217 -1.240 -1.429 -1.481 -1.492 -1.502 -1.564 -1.566 -1.570 -1.570 -1.520 -1.546 -1.577 -1.584 -1.589 -1.602 -1.612 -1.613 -1.593 -1.624 -1.665 000.9 -1.183 -1.206 -1.5555 -1.559 -1.562 -1.653 -1.683 -1.511 -1.541 -1.574 -1.619 -1.639 -1.646 -1.659 -1.677 -1.704 -1.753 -1.745 -1.815 -1.826 -1.842 -1.889 -1.894 -1.900 -1,855 -1.948 -1.952 -1.955 -1.923 5_000 -1.871 -1.876 -1.934 -2.001 -1.868 -1.879 -1.885 -1.904 -1.850 -1.882 -1.909 -1.978 -1.877 -1,912 -1.944 -1,963 -1.970 -1.985 -1.992 -1.901 -1.849 -1.873 -1.894 -1.912 -2.110 -2.124 -2.136 -2.192 -2.192 -2.195 -2.148 -2.162 -2.170 -2.199 -2.209 -2.212 -2.184 -2.282 -2.277 -2.280 -2.297 -2.298 -2.313 -2.319 -2.273 -2.342 -2.381 4.000 -2.178 -2.270 -2,315 -2.334 -2.132 -2.215 -2.234 -2.429 -2.443 -2.457 -2.474 -2.505 -2.513 -2.523 -2.526 -2.646 -2.650 -2.659 -2.482 -2.595 -2.598 -2.607 -2.511 -2.611 3.000 -2.505 -2.630 -2.675 -2.501 -2.030 -2.638 -2.667 -2.632 -2.530 -2.552 -2.573 -2.776 -2.793 -2.803 -2.828 -2.841 -2.840 -2.844 -2.850 -2.856 -2.868 -2.868 -2.875 -2.872 -2.873 -2.877 -2.903 -2.913 -2.911 -2.926 -2.929 -2.929 -2.814 -2.886 -2.935 -2.946 -2.949 -2,955 -2.983 -3.048 2.000 -2.825 -2.944 -2.761 -2,881 -2.968 -2,992 -3.008 -3.016 -3.001 -2.841 -2.865 -2.887 -3.078 1.3.175 1.3.175 1.3.175 1.3.175 1.3.175 -3.194 -3.191 -3.198 -3.203 -3.208 -3.214 -3.220 -3.220 -3.229 -3.242 -3.242 -3.254 -3.124 -3.258 -3.381 -3.307 1.000 -3.248 -3.290 -3.268 -3.276 -3.282 -3,326 -3.349 -3.111 -3.297 -3,334 -3.342 -3.175 -3.228 -3.228 -3.509 -3.516 -3.512 -3.514 -3.530 -3.536 -3.544 -3.555 -3.571 -3.568 -3.571 -3.584 -3.589 -3.579 -3.585 -3.591 -3.596 -3.465 -3.549 -3.715 000 -3.430 -3.443 -3.466 -3.478 -3.485 -3.493 -3.500 -3.525 -3.603 -3,612 -3.620 -3.650 -3.659 -3,457 -3.551 -3.631 -3.675 -3.682 -3.641 -3.667 -3.534 -3.534 -3.725 -3.747 -3.761 -3.776 -3.788 -3.787 -3.798 -3.800 -3.845 -3.845 -3.851 -3.865 -3.865 -3.871 -3.870 -3.870 -3.891 -3.889 -3.897 -3.918 -3.922 -3.922 -3.564 -3,974 -3,983 -4.048 -1.000 -3.89B -3.879 -3,912 -3.905 -3.534 -3.842 -4.008 -3.912 -3,953 -3.95E -4.001 -4.016 -4.202 -4.212 -4.212 -4.212 -4.213 -4.234 -3.843 -3.874 -4.068 -4.078 -4.095 -4.120 -4.120 -4.122 -4.297 -4.307 -4.317 -4.334 -2.000 -4.275 349 -4.263 -4.287 -4.326 P OES XALOG 8000. 9000. 10000. 12000. 14000. 15000. 15000. 17000. 19000. 24000. 25000. 26000. 27000. 5000. 22000. 32000. 34000. 36000. 46000. 48000. 50000. 70000. 21000. 28000 29000 38000. 40000 55000 30000 44000. 60000 65000. 42000. 80000 85000. .00006 95000 00000 150000

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7000	-4.318	86	4	-3.137	2.8	45	-2.123	-1.954	***	*
8000	-4.327	3.9	-3.623	-3,182	ΛI	48	-2.144	2.0	43	-1.342
* 0006	-4.344	0	9	35	m	50	-2.162	-1.995	.45	-1.327
10000	-4.359	-4.026	-3.693	-3.360	-3.036	S	-2,183	2.0	ů.	_
11000.	-4.360	4.0	٢.	-3,373	-3.040	-2=676	-2.224	B • T	1.69	.38
12000	-4.369	-4.037	-3,716	-3.386	-3.053	-2-719	-2.310	-1.883	-1.708	֭֭֭֭֭֭֭֭֭֭֡֞֞֜֞
13000.	-4.372	-4.048	7.	-3.394	3.0	-2=731	-2.408	9		-1.41
14000.	-4.381	-4.050	7	-3,394	-3.073	-2-742	-2.408	8	-1.734	-1.42
15000.	-4.391	-4.058	-3.728	-3.412	-3.075	12 750	-2.418	2.0		-1-
16000.	-4.401	-4.067	-3.734	-3.407	-3.077	-2 755	-2.428	2.0	-1.675	
17000.	-4.411	-4.076	-3.743	-3.411	-3.091	-2 755	-2.434	2.1	-1.740	i
18000.	-4.405	-4.052	-3.750	-3.418	-3.089	12 762	-2.438	-2.112	-1.787	16.31
19000.	4.409	-4.083	-3,759	-3.425	0	12 762	-2.442	2.1	-1.791	-
20000	-4.415	-4.084	-3.765	-3.431	4.5	-2,773	-2.442	2.1	-1.796	***
21000.	-4.422	-4.089	-3,761	-3.441	-3.106	-2 776	-2.445	2.1	-1.801	9
22000	-4.427	-4.095	-3.764	-3.443	-3.111	-2-781	-2.449	2,1	-1.805	-1.474
23000.	-4.434	-4.101	-3.769	-3.441	-3.118	-2=785	-2.459	2 . 1	-1.809	-1.480
24000.	-4.445	-4.107	-3.775	-3.444	-3,124	-2=78.9	-2.462	201	-1.812	-1.489
25000.	-4.440	-4.115	-3.780	-3.448	-3,122	±2 = 794	-2,466	2.1	-1.814	-1.493
26000.	-4.445	-4.121	-3.786	-3.453	173	12 304	-2.469	2.1	-1.816	-1.495
27000.	-4.446	-4.118	-3.794	-3.458	77	12 804	-2.471	2.1	-1.820	-1.498
28000.	-4.452	-4.120	-3.801	-3.464	-3.131	12 804	-2.475	2.1	-1.820	-1.501
29000	-4.463	-4.124	-3.798	-3.470	-3.136	12 806	-2.475	-2.151	-1.823	-1.503
30000	-4.462	-4.129	-3.799	-3.482	ניו	608 21	-2.478	-2.154	-1.827	-1.505
32000.	-4.462	-4.141	-3.805	-3.479	-3.153	-2 817	-2.488	2,15	833	-1.510
34000.	-4.473	-4.139	-3.821	-3.482	-3.163	-2 827	-2.494	2,16	83	-1,515
36000.	-4.484	-4.147	-3.817	-3.491	-3.161	-2-841	-2.501	-2.173	-1,843	-1.520
38000	-4.481	-4.162	-3.821	-3.498	-3.165	-2-846	-2.510	-2.178	-1.847	-1.525
40000	-4.483	-4.159	-3.834	-3.498	-3.176	12=845	-2.523	2.18	85	-1.528
42000.	-4.488	-4.159	-3.839	-3,504	קיזו	12 848	-2.516	2.19	86	-1.531
44000•	464.41	-4.163	-3.837	-3.517	r)	15 857	-2.520	2.19	986	-1.535
46000.	-4.495	-4.168	-3.838	-3.518	r)	-2 861	-2.532	-2.198	86	-1.539
48000.	-4.500	-4.172	-3.845	-3.517	-3,196	15 861	-2.527	2.20	-1.874	-1.544
50000	-4.505	-4.172	-3.846	-3.518	F3	12 864	-2.530	2.20	.87	-1.549
55000.	-4.512	-4.184	-3.853	-3.526	רו.	-2 880	-2.547	2.21	888	1.56
.00009	-4.525	-4.192	-3.862	-3.532	-3.205	12 880	-2.548	2 . 22	68	-
65000.	-4.537	-4.203	-3.870	-3.540	LJ.	12 885	-2.562	2.25	06.	
70000	-4.547	-4.214	-3.881	-3.547	3.21	668 21	-2,565	2.23	1.90	;
75000.	-4.557	-4.224	-3:891	-3.557	Δ1	£06_21	-2.572	2.24	16.	•
80000	-4.507	-4.233		-3.567	-	-2₌900	-2.582	2,25	92	
85000.	-4.575	-4.242	•	-3.575	-3.242	606=21	-2.589	2.25	. 92	-
•00006	-4.584	S	-3.917	-3.584	3.25	Z16=2-	-2.584	2.26	-1.933	-1.607
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125000.	-4.631	-4.298	-3.965	-3.631	-3.298	S 96 21	-2.631	-2.298	6	1.64
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I D & K/LOG PE	11 100000	

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-4.881 -4	15000	-4.876		-4.211	-3,898	-3.568	-3.237	90	-2.574	-2.098	15
-4.897 -4 558	16000	-4.881		-4.220	-3.887	-3.567	-3.246	-2.914	-2.580	-2.161	-1 23
-4.886 -4 578 -4.235 -3.903 -3.570 -3.2248 -2.9293 -4.8993 -4.	17000	-4.897		-4.228	-3.895	-3.577	-3.250	-2.922	-2,589	-2.226	-1 30
1,000	1.80.00	-4.886		-4.235	-3.903	-3.570	-3.248	-2.929	-2.597	-2.273	_1 796
1,000	1 90 00	-4.893		-4.236	-3.910	-3.578	-3.250	-2.933	-2.605	-2.272	-1.846
1,000 1,00	20000	106.4-		-4.252	-3,915	-3.585	-3.252	-2.933	-2,611	-2,279	***
10	21000	-4.908		-4.241	-3,927	-3.591	-3.259	-2.947	-2.616	-2.286	- 942
-4.915 -4 187 -4.254 -3.921 -3.595 -3.271 -2.935 -4.928 -4 18.7 -4.266 -3.927 -3.611 -3.275 -2.945 -4.928 -4 19.8 -4 1	22000	-4.913		-4.248	-3.930	-3,595	-3.266	-2.933	-2.619	-2.292	-1 069
-4.928 -4 192 -4.266 -3.927 -3.611 -3.275 -2.945 -4.926 -4 1922 -4.266 -3.933 -3.600 -3.277 -2.956 -4.932 -4 1904 -4.270 -3.944 -3.611 -3.278 -2.956 -4.932 -4 1904 -4.270 -3.944 -3.615 -3.283 -2.956 -4.934 -4 1906 -4.287 -3.949 -3.616 -3.283 -2.956 -4.949 -4 1906 -4.287 -3.949 -3.616 -3.283 -2.959 -4.948 -4 190 -4.287 -3.949 -3.616 -3.283 -2.959 -4.948 -4 190 -4.287 -3.949 -3.625 -3.283 -2.997 -4.959 -4 190 -4.287 -3.968 -3.625 -3.293 -2.997 -4.950 -4 190 -4.307 -3.968 -3.649 -3.009 -2.997 -4.950 -4 190 -4.307 -3.968 -3.649 -3.308 -2.997 -4.950 -4 190 -4.307 -3.984 -3.651 -3.339 -2.997 -4.970 -4 190 -4.327 -4.004 -3.665 -3.334 -3.009 -4.970 -4 190 -4.327 -4.004 -3.665 -3.334 -3.009 -4.970 -4 1963 -4.324 -4.004 -3.665 -3.334 -3.009 -4.990 -4 1657 -4.328 -4.004 -3.685 -3.347 -3.013 -5.020 -4 1675 -4.345 -4.004 -3.685 -3.347 -3.013 -5.020 -4 1676 -4.365 -4.004 -3.685 -3.366 -3.037 -5.021 -4 1670 -4.365 -4.004 -3.685 -3.366 -3.009 -5.022 -4 170 -4.377 -4.041 -3.711 -3.389 -3.009 -5.043 -4 770 -4.365 -4.004 -3.723 -3.401 -3.367 -5.052 -4 170 -4.365 -4.007 -3.723 -3.403 -3.009 -5.063 -4.724 -4.012 -3.724 -3.723 -3.401 -3.009 -5.063 -4.724 -4.012 -3.724 -3.723 -3.401 -3.009 -5.063 -4.724 -4.012 -3.724 -3.723 -3.401 -3.009 -5.063 -4.724 -4.012 -3.724 -3.723 -3.401 -3.009 -5.063 -4.724 -4.012 -3.724 -3.723 -3.401 -3.009 -5.063 -4.724 -4.017 -3.724 -3.724 -3.009 -5.063 -4.724 -4.017 -3.727 -3.723 -3.409 -3.009 -5.070 -4.726 -4.017 -3.727 -3.723 -3.409 -3.009 -5.085 -4.724 -4.018 -4.009 -3.729 -3.409 -3.009 -5.095 -4.724 -4.018 -4.009 -3.729 -3.409 -3.009 -5.007 -4.726 -4.018 -4.009 -3.729 -3.409 -3.009 -5.008 -4.726 -4.018 -4.009 -3.729 -3.409 -3.009 -5.009 -4.726 -4.018 -4.018 -3.721 -3.319 -3.009 -5.009 -4.726 -4.018 -4.019 -3.721 -3.009 -5.009 -4.726 -4.019 -3.721 -3.723 -3.009 -5.009 -4.726 -4.019 -3.721 -3.729 -3.009 -5.009 -4.726 -4.019 -3.721 -3.729 -3.009 -5.009 -4.726 -4.019 -4.019 -3.721 -3.009 -5.009 -4.726 -4.019 -4.019 -3.721 -3.009 -5.009 -4.726 -4.019 -3.721 -3.721 -3.009 -5.009 -4.726 -4.019 -3.721 -3.721	23000	-4.915	-4 587	-4.254	-3.921	-3,595	-3.271	-2,939	-2.618	-2.298	-1 066
-4,926 -4 192 -4,266 -3,933 -3,600 -3,277 -2,950 -4,928 -4,269 -3,939 -3,600 -3,277 -2,955 -4,938 -4,938 -4,270 -3,944 -3,616 -3,290 -2,955 -4,949 -4,104 -4,284 -3,944 -3,616 -3,290 -2,956 -4,949 -4,100 -4,284 -3,949 -3,611 -3,286 -2,959 -4,949 -4,105 -4,949 -4,105 -4,949 -3,049 -3,049 -3,049 -3,049 -4,291 -3,294 -3,949 -3,049 -2,997 -4,990 -4,105 -4,307 -3,968 -3,647 -3,327 -2,996 -4,970 -4,104 -4,320 -3,944 -3,651 -3,327 -2,996 -4,970 -4,104 -4,320 -3,944 -3,651 -3,327 -2,996 -4,970 -4,104 -4,320 -3,944 -3,665 -3,344 -3,002 -2,996 -4,979 -4,104 -4,320 -3,944 -3,665 -3,344 -3,009 -4,979 -4,104 -4,320 -4,904 -3,665 -3,344 -3,009 -4,979 -4,104 -4,104 -4,004 -3,665 -3,347 -3,018 -2,996 -4,104 -4,104 -4,104 -4,004 -3,665 -3,347 -3,018 -2,090 -4,104 -4,104 -4,104 -4,104 -3	24000	-4.928	-4 592	-4.260	-3.927	-3.611	-3.275	-2.945	-2.631	-2.303	11 972
-4,928 -4 107 -4,269 -3,939 -3,606 -3,290 -2,955 -4,938 -4,938 -4,106 -4,287 -3,944 -3,947 -3,611 -3,278 -2,958 -4,948 -4,106 -4,287 -3,947 -3,611 -3,288 -2,959 -2,959 -4,948 -4,110 -4,284 -3,947 -3,621 -3,288 -2,959 -2,959 -4,948 -4,110 -4,284 -3,968 -3,625 -3,293 -2,979 -4,948 -4,110 -4,284 -3,968 -3,625 -3,293 -2,979 -4,970 -4,138 -4,307 -3,968 -3,649 -3,327 -2,969 -4,950 -4,138 -4,307 -3,968 -3,649 -3,327 -2,998 -4,907 -4,138 -4,307 -3,984 -3,651 -3,332 -2,998 -4,969 -4,138 -4,307 -3,984 -3,651 -3,332 -2,998 -4,969 -4,138 -4,307 -3,984 -3,651 -3,332 -2,998 -4,999 -4,138 -4,307 -3,984 -3,651 -3,331 -3,009 -4,998 -4,138 -4,004 -3,651 -3,331 -3,009 -4,996 -4,138 -4,004 -3,665 -3,334 -3,018 -3,018 -4,994 -4,1653 -4,004 -3,685 -3,347 -3,018 -3,018 -5,012 -4,167 -4,328 -4,004 -3,685 -3,366 -3,366 -3,034 -3,018 -	25000	-4.926	14 392	-4.266	-3,933	-3,600	-3.277	-2.950	-2.631	-2,306	-1-978
-4.932 -4 104 -4.270 -3.944 -3.611 -3.278 -2.958 -4.938 -4.949 -4.287 -3.947 -3.616 -3.621 -3.283 -2.958 -2.958 -4.949 -4.11 10.0 -4.287 -3.949 -3.616 -3.283 -2.960 -4.94948 -4.11 -3.968 -3.968 -3.625 -3.293 -2.969 -4.94948 -4.11 -4.949 -4.11 -3.968 -3.968 -3.625 -3.293 -2.9969 -4.9499 -4.11 -3.968 -3.968 -3.649 -3.302 -2.9969 -4.970 -4.970 -4.11 -3.968 -3.649 -3.308 -2.9969 -4.970 -4.11 -3.994 -3.969 -3.651 -3.327 -2.9969 -4.969 -4.320 -3.994 -3.651 -3.331 -3.009 -2.9969 -4.970 -4.979 -4.320 -3.994 -3.665 -3.331 -3.009 -4.979 -4.1649 -4.009 -3.994 -3.665 -3.331 -3.009 -4.990 -4.324 -4.004 -3.665 -3.347 -3.018 -3.018 -4.990 -4.324 -4.004 -3.665 -3.347 -3.018 -3.018 -5.012 -4.969 -4.325 -4.004 -3.685 -3.349 -3.009 -3.016 -5.012 -4.1649 -4.004 -3.013 -3.685 -3.349 -3.019	26000	-4.928		-4.269	-3,939	-3,606	-3.290	-2.955	-2.623	-2.307	-1,983
-4.938 -4 106 -4.287 -3.947 -3.616 -3.283 -2.960 -4.949 -4 106 -4.284 -3.949 -3.621 -3.293 -2.969 -4.948 -4 10.27 -4.284 -3.968 -3.625 -3.293 -2.959 -4.948 -4 10.27 -4.291 -3.968 -3.649 -3.302 -2.969 -4.949 -4 10.27 -4.301 -3.968 -3.649 -3.308 -2.969 -4.950 -4 10.25 -4.307 -3.984 -3.651 -3.327 -2.965 -4.967 -4.367 -4.326 -4.326 -3.984 -3.651 -3.331 -3.002 -4.969 -4 10.25 -4.326 -3.984 -3.665 -3.331 -3.009 -4.970 -4 10.25 -4.326 -4.004 -3.651 -3.331 -3.009 -4.970 -4 10.25 -4.326 -4.004 -3.651 -3.331 -3.009 -4.970 -4 10.25 -4.326 -4.004 -3.651 -3.331 -3.009 -4.990 -4 10.27 -4.326 -4.004 -3.651 -3.347 -3.018 -4.990 -4 10.27 -4.326 -4.004 -3.681 -3.347 -3.018 -5.006 -4 10.2 -4.326 -4.004 -3.685 -3.347 -3.018 -5.007 -4.366 -4.365 -4.004 -3.685 -3.366 -3.034 -5.008 -4.366 -4.366 -4.001 -3.691 -3.386 -3.069 -5.003 -4.377 -4.005 -3.721 -3.386 -3.069 -5.003 -4.377 -4.005 -3.721 -3.386 -3.009 -5.005 -4.728 -4.336 -4.005 -3.723 -3.401 -3.089 -5.005 -4.728 -4.336 -4.005 -3.723 -3.401 -3.089 -5.005 -4.728 -4.336 -4.005 -3.723 -3.401 -3.089 -5.005 -4.728 -4.403 -4.005 -3.724 -3.412 -3.089 -5.005 -4.726 -4.411 -4.005 -3.724 -3.412 -3.089 -5.005 -4.726 -4.411 -4.005 -3.724 -3.412 -3.089 -5.005 -4.726 -4.411 -4.005 -3.724 -3.412 -3.089 -5.005 -4.726 -4.411 -4.005 -3.724 -3.411 -3.089 -5.005 -4.726 -4.411 -4.005 -3.724 -3.412 -3.089 -5.005 -4.726 -4.411 -4.005 -3.724 -3.412 -3.089	27000	-4.932	4 104	-4.270	-3.944	-3.611	-3.278	-2.958	-2.629	-2.306	-1.988
-4.949 -4, 110 -4.284 -3.958 -3.621 -3.288 -2.974 -4.948 -4, 115 -4.285 -3.995 -3.625 -3.639 -2.974 -4.948 -4, 125 -4.291 -3.965 -3.649 -3.302 -2.974 -4.959 -4, 125 -4.307 -3.968 -3.649 -3.302 -2.997 -4.959 -4, 125 -4.307 -3.968 -3.649 -3.308 -2.997 -3.302 -2.995 -4.967 -4, 133 -4.307 -3.968 -3.667 -3.322 -2.998 -3.667 -4, 134 -3.009 -3.969 -3.665 -3.331 -3.009 -4.979 -4, 14, 145 -4.326 -3.984 -3.665 -3.331 -3.009 -4.996 -4, 14, 14, 14, 14, 14, 14, 14, 14, 14, 1	28000	-4.938		-4.287	-3.947	-3,616	-3.283	-2.960	-2.633	-2,320	-1.992
-4.948 -4 155 -4.285 -3.968 -3.625 -3.293 -2.977 -4.948 -4 155 -4.291 -3.965 -3.659 -3.639 -3.302 -2.969 -4.959 -4.303 -3.968 -3.649 -3.302 -2.969 -2.969 -4.957 -4.307 -3.968 -3.667 -4.138 -4.307 -3.984 -3.661 -3.327 -2.985 -4.967 -4.1365 -4.326 -3.984 -3.665 -3.331 -3.009 -4.979 -4.145 -4.326 -3.984 -3.665 -3.331 -3.009 -4.979 -4.1469 -4.326 -4.003 -3.665 -3.334 -3.006 -4.1653 -4.004 -3.665 -3.334 -3.006 -4.1653 -4.004 -3.665 -3.347 -3.018 -4.986 -4.004 -3.665 -3.347 -3.018 -4.994 -4.1653 -4.004 -3.665 -3.347 -3.018 -4.994 -4.1653 -4.004 -3.665 -3.347 -3.018 -3.018 -4.004 -3.665 -3.357 -3.347 -3.018 -5.012 -4.1675 -4.004 -3.665 -3.357 -3.347 -3.018 -5.012 -4.1675 -4.004 -3.665 -3.356 -3.350 -3.036 -3.036 -3.036 -3.036 -3.357 -3.359 -3.039 -3.039 -3.009 -4.004 -3.691 -3.369 -3.366 -3.039 -3.009 -4.004 -3.691 -3.385 -3.009 -3.009 -4.004 -3.691 -3.385 -3.009 -3.009 -4.006 -4.006 -3.009 -3.009 -3.009 -3.009 -4.009 -4.009 -4.009 -3.009 -3.009 -3.009 -3.009 -3.009 -4.009 -4.009 -4.009 -3.009 -	29000	646.4-	-4 510	-4.284	-3.949	-3,621	-3.288	-2.959	-2,638	-2.321	-1.995
-4.948 -4 127 -4.291 -3.965 -3.639 -3.302 -2.969 -4.959 -4.959 -4.959 -4.959 -4.959 -4.959 -4.959 -4.959 -4.959 -4.959 -4.959 -4.959 -4.959 -3.308 -2.997 -4.970 -4.970 -4.964 -3.984 -3.665 -3.331 -3.309 -2.996 -4.964 -4.320 -3.984 -3.665 -3.331 -3.009 -4.979 -4.979 -4.979 -4.979 -4.959 -3.665 -3.334 -3.009 -4.999 -3.665 -3.347 -3.018 -4.999 -4.959 -4.004 -3.655 -3.347 -3.018 -4.999 -4.994 -4.956 -4.004 -3.655 -3.347 -3.018 -4.994 -4.994 -4.956 -4.004 -3.685 -3.356 -3.018 -2.994 -4.994 -4.994 -4.994 -4.994 -4.994 -4.994 -4.994 -4.994 -4.994 -4.994 -4.995 -3.995	30000	-4.948	-4 315	-4.265	-3.968	-3.625	-3.293	-2.974	-2.641	-2,311	-1.997
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-4.967 -4.367 -3.984 -3.651 -3.332 -2.996 -4.969 -4.326 -3.984 -3.662 -3.331 -3.009 -4.969 -4.326 -4.326 -3.990 -3.665 -3.334 -3.009 -4.974 -4.649 -4.324 -4.003 -3.665 -3.344 -3.002 -4.996 -4.649 -4.324 -4.004 -3.665 -3.347 -3.018 -4.994 -4.657 -4.328 -4.004 -3.685 -3.350 -3.018 -5.006 -4.657 -4.332 -4.004 -3.685 -3.356 -3.018 -5.012 -4.666 -4.355 -4.004 -3.685 -3.356 -3.018 -5.006 -4.675 -4.345 -4.012 -3.685 -3.356 -3.018 -5.012 -4.660 -4.355 -4.004 -3.691 -3.356 -3.034 -5.023 -4.600 -4.355 -4.024 -3.721 -3.336 -3.034 -5.043 -4.700 -4.362 -4.034 -3.721 -3.385 -3.059 -5.052 -4.719 -4.386 -4.053 -3.723 -3.401 -3.069 -5.062 -4.728 -4.03 -4.078 -3.729 -3.403 -3.086 -5.062 -4.728 -4.03 -4.078 -3.729 -3.401 -3.089 -5.065 -4.747 -4.018 -3.752 -3.412 -3.089 -5.078 -4.764 -4.411 -4.117 -3.752 -3.411 -3.118	36000	04.970	4 33	-4.303	-3.978	-3.647	-3.327	-2.985	-2.653	-2,331	12016
-4,969 -4,145 -4,320 -3,984 -3,662 -3,331 -3,009 -4,979 -4,145 -4,325 -3,990 -3,665 -3,334 -3,002 -4,979 -4,649 -4,324 -4,004 -3,665 -3,347 -3,018 -4,990 -4,653 -4,324 -4,004 -3,682 -3,347 -3,018 -4,990 -4,657 -4,328 -4,004 -3,682 -3,347 -3,013 -4,994 -4,1575 -4,345 -4,012 -3,685 -3,350 -3,013 -5,012 -4,164 -4,355 -4,012 -3,685 -3,356 -3,013 -5,023 -4,660 -4,355 -4,024 -3,691 -3,371 -3,039 -5,023 -4,700 -4,362 -4,041 -3,711 -3,385 -3,051 -5,043 -4,710 -4,377 -4,045 -3,721 -3,389 -3,059 -5,043 -4,710 -4,377 -4,045 -3,721 -3,389 -3,059 -5,05 -4,728 -4,403 -4,057 -3,744 -3,412 -3,089 -5,078 -4,744 -4,411 -4,078 -3,744 -3,412 -3,089 -5,085 -4,752 -4,441 -4,117 -3,744 -3,411 -3,118	38000	-4.967	14 148	-4.307	-3,984	-3,651	-3,332	-2.996	-2.650	-2,332	010
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ATOMIC SPECIES : ARII

SOLAR ATMOSPHERE

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Chemical Jomposition

Element	Atomic No.	Number Fraction
Н	1	0.858879×10^{0}
He	2	0.139310×10^{0}
C	6	0.4507×10^{-3}
N	7	0.8202×10^{-4}
0	8	0.7833 X 10 ⁻³
${f F}$	9	0.8589 X 10 ⁻⁶
Ne	10	0.4305 X 10 ⁻³
Na	11	0.1713×10^{-5}
Mg	12	0.2158×10^{-4}
Al	13	0.1361 X 10 ⁻⁵
Si	14	0.2716×10^{-4}
Ar	18	0.6515×10^{-5}
K	19	0.4305×10^{-7}
Ca	20	0.1228×10^{-5}
Fe	26	0.3191 X 10 ⁻⁵
Cu	29	0.9413 × 10 ⁻⁷

Gas Characteristics

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5000 5000	-10.612	ï	-8.612	-7.612	-6.613	-5.618	***	***	***	* * * * * *
■0,009	•	ĭ	-8.938	-7.937	-6.937	-5.940	*	***	***	***
2000	-12.559	÷	-9.282	-8.204	-7.196	-6.197	-5.202	***	***	* * * * * * * * * * * * * * * * * * * *
8000	-	-	-10.200		-7.430	-6.411	-5.413	-4.427	* * * * * *	***
■0006	-15.382	-13,383	-11.390	-9.450	-7.802	ė	-5.595	-4.502	***	
1 0000	-16.414	-14.415	-12.417	-10.427	-8.505	.91	-5.770	• 75	-3.778	* * * * * *
11000	-17.279	-15.279	13	-11.284	-9.303	-7.438	-5.989	-4.904	-3.910	* * * * * * *
1 2000	~	-16.016	-14.017	-12.019	-10.026	-8.069	-6.330	-5.063	-4.034	-3.072
1 3000		-16.054	-14.654	-12.656	-10.660	-8.678	-6.788	5.26	-4.156	'n
1 4000	-19.212	-17,212	-15,213	-13.214	-11.217	-9.228	.27	5.00	-4.288	-3.270
1 5000	-19.706	-17.706	-15.707	-13.708	-11.711	-9.718	-7.745	. 83	-4.447	-3,368
16000	-20.147	-18.148	-16.148	-14.149	-12,152	-10.153		-6.263	-4.644	-3.470
1 7000	-20.545	-18.545	-16.546	-14.547	-12,549	-10.554	-8.569	.61	-4.878	-3.580
18000	20.90	-18.906	-16.906	-14.907	-12.909	-10.914	-8.925	-6.950	-5.138	-3, 705
19000	-21.234	-19,235	-17.235	-15.236	-13,238	\$2	Ġ	.27	-5.406	-3.848
20000	21	-19,536	-17.537		-13,539	-11,543	-9.553	57	-5.671	-4.009
21000	-21.814	-19.815	-17.815	-15.816	-13,817	-11.821	-9.830	-7.848	-5.910	-4.184
22000	-22.072	-20.072	-18.072	-16.073	-14.075	-12.078	-10.085	10		-4.367
23000	Q.	-20.312	-18.312	-16,313	-	-12,317	-10,325	Φο.	-6.381	-4.554
24000	-22.535	-20.535	-18.535	-16.536	-14.537	-12,540	-10.547	-8.562	-6.597	-4.739
25000	-22.744	-20.744	-18.744	-16.745	-14.746	-12.749	-10.756	-8.769	-6.801	-4.921
26300	-22.941	-20.941	-18.941	-16.941	-14,943	-12.945	-10,952	96.	-6.993	-5.097
27000	-23.126	-21,126	-19.126	-17.126	-15.128	3,13	-11.136	-9.148	-7,175	ທີ່
28000	-23.300		-19:301	-17.301	-15,302	-13,305	-11.310	19.322	-7.346	ທໍ່
29000	-23.465	-21.466	-4	-17.466	-15.467	-13.470	-11.475	-9.486	-7.509	ທໍ່
30000	-23.622	-21.622	-19.623	-17,623	-15.624	-13,626	-11.631	-9.545	-7.664	-5.732
32000	-23.913	-21.913	+19.913	-17.914	-15,915	-13.917	-11.921	-9.935	-7.951	-6.011
34000	-24.178	-22.178	-20.178	-18.178	-16.179	-14.181	-12,185	-10.195	-8.212	-6,266
36000	-24.420	-22.420	O.	-18.421	-16,421	-14.423	-12.427	-10.433	-8.452	ě.
38000	-24.643	-22.643	-20.643	-18.644	-16.644	-14.646	-12.650	-10.656	-8.673	-6.718
40200	·V	-22.850	-20.850	-18.850	-16.851	-14.853	-12.855	-10.861	-8.878	-6,919
42200	-25.042			-19.042	>	5.04	-13.048	-11.053		-7.107
44200	-25.221	23.52	-21.221	-19.222	-17.222	-	m	-11.232	-9.246	-7.282
46200	-25.389	ભ ∶		19.390	-17.390	0	m ı	-11.399	-9.413	-7.447
4 83 CO	-25.547	C)		-19.547	-17.54B	110.040	13.55Z	11.557	0.00	7005
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15000	-27.059	-25.059	-23.059	-21.059	-19.059	-17.060	-15.061	-13.065	-11.069	
80200	-27.259	-25.259	-23.259	-21:259	-19.260	-17.250	5.26	- 26	-11.269	-9.280
85200	-27.444	5.44	-23.444	-21.444	-19.444	-17.445	-15.445		• 45	-9.464
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•	-1.700	869-0-	0.301	1.301	2.301		4.305		6.357	7,527
•	-1.704	-0.700) m	30	30	.30	5.317	34	7.461
	-1.713	-0.702		1.301		330	4.302		33	7.417
•	-1.721	-0.707	Ε,	1.300	•30	.30		5,306		7,388
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	-1,727	-0.727	•	1.273	-27	3,239	500	5.300	900	7, 304
	-1.727	-0-727	0.273	1.273	2.273	2 4	4 . 2 9 0	5.299	9.300	7,300
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	-1.727	-0.727	•	27	.27		27	5.292	.29	7.299
	-1.728	-0.727	0.273	1.273	.27	•	.27	5.287	- 29	7.299
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	-1.728		0.272	1,272	.27	3.272	4.273	5.273	6.273	7.276
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1 560.	3.021			13.004	13.003	0		Ď.	2,89	12,733
•145 I	3.054		3.01	13.005	13.004	<u>.</u>	13.000	Ç.	2.91	12,782
6	3.106		13.026	13.007	13.004	13.003	13.001	Ç.	2.93	12,819
3.177	3,148		P7.	13.012	13.005	၀	13.002	Ç, I	995	12,849
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190 1	3,189		4	13.187	13,186	~	.0	-	,16	13,089
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13.037 12.996	12,99	40	12,983	12.951	4.0	12.289	12.001	120.021
9 10	13.07	- 0	13.031	13,001	96	7.0	12,341	12,126
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_	13,10	9	13.098	13,057	•01	12.958	10	12,313
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	13.11	6	•	13,109	90.	13.018	12.911	12.568
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.272	13.20	N	13,173	13.168	• 1.6	13.164	13.14	13.082
.293	13,23	4	13.184	13.174	13.173	13.170	13,15	13,103
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•313 13	13.29	-	13.224	13,189	•	13,181	13.17	13.138
.323 13	13,31	7	13.279	13,214	13,195	• 19	13.187	13, 164
• 332 13	13,33	0	13,315	13,256		0	13,198	13, 183
339	13,33	<u>o</u> .	13,333	13,300	•	13,214	13,209	13, 198
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Partition Functions

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1.011 1.119 1.331

1.412 1.484 1.547 1.604

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ATOMIC SPECIES :

0.000 7.000 1.336 1.587 1.591 1.691 1.783 1.866 1.941 2.008 000 9 0.381 0.496 0.514 0.730 0.843 0.950 1.051 1.70.1 2.077 2.077 2.180 2.272 2.353 2.426 2.426 2.426 2.426 5_330 1.146 0,000 000 4 3.213 0.003 0.012 0.012 0.023 0.033 2.945 3.056 3.173 3.269 3.340 000 3.419 0.000 4.424 3.922 2 000 0.0000 0. 000 0.000 0.000 0.000 0.001 0.0034 0.0076 0.150 0.15 000 4.834 5.207 0.000 0.001 0.001 0.004 0.004 0.004 0.009 0.363 0000 5,251 5.707 5.411 0.001 0.003 0.003 0.003 0.0043 0.0045 5,835 12 000 ä T DEG </LOG

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0.968 0.976 0.976 0.976 0.986 0.986 0.9986 0 1.0077 1.0085 1.0093 1.0102 1.0110 1.0110 1.0127 1.01063 1.010 1. 598 1. 598 1. 718 1. 943 2. 468 **** **** **** **** **** 0.955 000.9 ***** **** **** **** **** 0.9945 0.9950 0.9950 0.9950 0.9950 0.9960 0. **** 5.030 **** *** *** 2.092 2.347 2.574 2.786 2.978 3.144 **** 4.000 **** 0.940 1.016 1.020 1.025 1.030 1.089 1.103 1.121 1.149 1.189 2,546 2,815 3,055 3,269 3,461 3,634 0.929 1.034 1.039 1.043 1.047 1.052 1.050 1.069 1.078 1.322 3,000 2,245 0.944 0.094 0.094 0.995 0.995 0.995 0.995 0.996 1.001 1.006 1.020 1.020 1.025 1.034 1.034 1.429 1.569 1.967 2.362 2.718 0.970 0.981 0.986 0.991 .043 3.032 3.308 3.551 3.767 4.133 .047 1.070 1.082 1.098 1.123 1.162 1.224 1.312 892 301 .061 0.996 1.001 1.006 1.011 1.016 1.025 1.025 1.036 1.039 1.043 1.043 1.043 3.210 3.528 3.528 4.050 4.267 4.460 1.062 1.074 1.093 1.124 1.180 1.563 1.563 1.749 1.944 2.419 2.843 1.000 0.9996 1.0011 1.0011 1.0011 1.0010 1.0025 1.0025 1.0043 1.0043 1.0053 1.0056 1.1099 1.1099 1.1099 1.1099 0.970 0.981 0.986 0.991 2-172 2-395 2-903 3-903 3-707 4-027 4-305 4-550 4-560 0000-0-5.133 5.290 5.893 6.301 0.922 0.970 0.976 0.981 0.986 0.9966 1.0011 1.0011 1.0010 1.0020 1.0020 1.0034 1.0034 1.0030 1. 2.645 2.879 3.398 3.835 4.206 4.527 4.805 5.050 -1.000 5.460 5.634 5.791 6.393 6.802 0 . 911 0 . 922 0 . 922 0 . 935 0 . 940 0 . 955 0 . 965 0 . 960 0 . 973 0 . 986 0 . 986 0 . 986 0 . 986 0 . 986 0.9966 1.0011 1. -2.000 Я ×/106 48000 66000 770000 770000 80000 46000 DEG

PTOMIC SPECIES

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ATEMIC SPAN

7.000

**** 0.765 0.765 0.767 0.767 0.770 0.775 0.777 0.779 0.781 0.784 0.786 0.789 0.792 0.795 0.799 0.943 0.968 0.968 0.968 1.018 1.016 1.016 1.0168 1.0168 1.0168 1.0168 0.918 *** 6.000 0 · 758 0 · 766 0 · 766 0 · 766 0 · 766 0 · 768 0 · 77 0.810 0.818 0.826 0.835 5.000 4.000 01752 01755 01755 01760 01762 01765 0 768 0 770 0 771 0 772 0 774 0 775 0 777 0 777 0 784 0 785 0 785 0 785 0 785 0 818 0 818 0 826 0 827 0=756 0=767 000 · Z 0.774 0.775 0.777 0.777 0.784 0.786 0.789 0.792 0.792 0.792 0.793 0.739 0.747 0.752 0.755 0.755 0.764 0.764 0.765 0.765 0.767 0.818 0.826 0.835 0.834 0.854 0.854 0.875 0.902 0.902 0.901 1.088 1.317 1.517 1.525 2.545 2.545 2.545 2.545 2.545 2.545 2.545 2.545 2.545 2.545 2.545 2.545 2.545 2.546 0.772 0.726 0.739 0.752 0.752 0.752 0.754 0.756 0.764 0.765 0.777 -0.000 0.818 0.826 0.835 0.845 0.857 0.871 0.923 1.227 0.726 0.739 0.739 0.752 0.752 0.755 0.765 0.765 0.765 0.775 -2.000 Ę Ģ 3000 4000 7000 11000 111000 112000 112000 112000 113000 114000 11000 27000 28000 32000 32000 34000 38000 \tilde{S} 40000 800008 85000 ■ 00006 ■ 000d6 42000 44000 46000 46000 65000 65000 70000 7B000 50000 ÖEG

0 0 0	00	0	8		0	0	0	0	0.018	• 02		.03		40.	• 05	90.	.07	0.088	0.1.	12	. 14	17	.19	21	. 23	. 25	0.278	32	37	42	46	S.	54	57	19	64	0.680	89	
000	00	00.	00.	00.	00.	00	• 01	.01	.01	• 02	• 02	• 03	• 03	40.	• 05	• 06	.07	0	• 10	.12	• 14	.17	• 19	-23	.23	. 25	.27	.32	.37	45	.46	.50	.54	.58	.61	. 65	69.	1.055	0
0 0 5	00.	000	000	00.	00.	• 00	•01	.01	.01	• 02	.02	•03	• 03	.04	• 05	• 0.6	10.	0	• 10	• 12	• 1 4	. 17	•13	.21	• 23	.25	.27	35	.37	. 42	.46	.50	.54	.58	603	.53	.75	.34	• 0 •
0000	00	900	00.	00.	00	00.	.01	• 01	.01	0.0	.02	.03	.03	• 04	• 05	90.	.07	0.088	9	.12	• 14	.17	61.	.21	23	.25	.27	.32	•37	. 42	• 46	.51	55	• 61	.67	•77	• 89	• 75	51
000 E	9	0	0	0	0	G	0	0	G	0	0	0	•	0	C	0	o.	0.088	7	7	•	-	٦,	Ģ	ď	Ġ	2	Ď.	E,	4	4	S.	ហ	9	٠.	6	-	Š	0
2.000		0.001	000	00.	00.	00	.01	.01	0.1	• 02	•02	• 03	• 03	•04	0.0	•06	• 07	0.088	• 10	.12	•14	• 17	•19	.23	23	-25	.27	.32	37	.42	4.8	•54	•65	82	•04	• 30	.56	• 70	5
000		0.001	00.	0.004	00.	0	.01	.0	0	0	0	•	•	•	•	0	0	0.088	~	-	0.149	.17	***	CA.	ď	C)	0.278	m	17)	4	ŝ	.63	.83	1.110	.42	.73		20	0
000				0.004	•	00.	0.010	.01	10.	0	0	•	0	0	.05	0	0	0.088	7	7	7	-	7	Ŋ	ď	Ġ	ď	ι,	M	0.456	.58	8	• 14		8.	20	2.514	.70	.50
0000-1-	0.001	00	0.002	000	000	0.008	.01	0	0	.02	.02	0.033	.03	40.	• 05	• 06	.07	0.088	.10	.12	0.149	.17	•19	.21	4	25	.27	.33	m	52	• 76	•14	.56	6	.35	69	Ó	.20	00.
000 8	0.001	0	00	0.004	00.	0	0.010	0.014	0.	N	0.027	.03	0.039	40.	.05	0.0	~	0.088	10	.12	4	.17	•19	0.214	3	0.257	~	533	0.441	0.677	1.089	1.571	03	2.465	85	91.	.50	4.705	5.509
T 05G K/LOG PE	1400	15000	16000	17000	18000	19000	20000	21000	22000	23000	24000	25000	26000	27000	28000	29000	30000	32000	34000	36000	38000	40000	42000	44000	46000	48000	50000	55000	00009	65000	10000	150 ₀ 0 =	80000	850 ⁰ 0	00006	95000	100000	125000	150000

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SPECIES

OEG KALDG PE	0 0 0 N	000	0 0 0 0	0000	2.000	0 0 •	0 0 0 • 4	000	0 4 0 •	7.000
3000		0.752	•	* *	* : * :	***	***	***	*	****
4000	0.758	-	0.758	0.758	0.758	* *	***	***	*	****
2000	0.762		0.762	•	0.762	0.762	***	***	*	***
0,009	0.765		0.765	0.765	0.765	0.755	*	***	***	***
7000	•	0.766		0.766	0.766	0.756	•	*	***	*
8000		0.768	• 76	0.768	0.768	0.758	9/.	92	* * * * * * * * * * * * * * * * * * * *	***
0006	ا م	0.759	0.769	0.769	601.0	0 100	0010	0 1 0 0	*****	***
10000		0.771	0.1.0	0.00						
11000		0.779	0.773	0.772	0.771	0.771	0.771	0.771	1:	*
12000	0.887	0.812	0.784	0.775	0.773	0.772	0.771	0.771	7	0.77
13000	1.107	806.0	0.820	0.788	•77	0.774	0.772	0.772		•
14000	1.442	1.107	906*0	0.822	0.788	0.778	0.774	0.773	27.	•
15000	1.812	1.390	1.072	0.893	0.815	0.787	0.777	0.775	0.774	•
16000	2.168	1.704	1.301	1.021	0.868	0.806	0.784	0.778	11.	0.774
17000	4	2.012	1.562	1.201	0.958	0.842	0.797	0.784	0.779	0.775
10000	~	2,298	1.825	1.406	1.088	0.901	0.820	0.794	0.785	0.777
α	3.056	•	2.075	1.627	1.248	0.987	0.858	0.810	0.795	0.779
20000	ď	2.800	2.308	1.845	1.414	1.099	0.911	0.834	0.809	0.783
$\boldsymbol{\alpha}$	3.514	3.018	2.523	2.043	1.594	1.229	0.982	0.868	0.829	0.789
22000	-	3.216	2.720	2.237	1.772	1.370	1.070	0.912	0.856	0.796
0	3.889	3.394	2.901	2.417	1.942	1.499	1.170	0.967	0.891	0.807
24000	4.057	3,557	3.067	2.585	2.102	1.642	1.260	1.030	0.934	0.820
25000	4.213	3.712	3.216	2.730	2,253	1.781	1.371	1.132	0.985	0.837
26000	4.356	3.856		2.873	2.382	1.914	1.483	1.179	1.042	0.858
27000	4.489	3.989	3.489	3,003	2,513	2.040	1.594	1.259	1.104	0.883
28000	4.613	4.113	3.613	3.122	2.636	2.150	1.702	1.432	1.170	0.911
20000	4.729	4.229	3.728	3.239	2,750	2.272	1.806	1.519	1.238	0.943
30000	4.837	4.337	3.836		2.854	2.379	1.907	1.503	1.307	0.979
32000	5.034	4.534	4.033	3,539	3.049	2.572	2.093	1.753	1.445	1.055
34000		4.708	4.208		3,225	2.719	2.262	1.911	1.577	1.143
36000	'n	4.864	4.364	•	3,371	2,376	2.412	2.046	1.702	1.232
38000■	S	5.004	4.504	4.010	3.514	3.018	2.543	2.169	1.817	1.322
40000	O	5.131	•	•		3.146	2.670	2.280	1.924	1.410
42000	5.747	5.246	۲.	4.257	3,760	3,253	2.760	2.382	2.023	1.496
44000	5.852	5.351	•	4.356	3.855	3.370	2.865	2.475	2.1.14	1.578
46000	Q	5.448	•	٠	3.954	3.468	2.963	2.561	2.197	1.656
43000	6.037	5.537	5.036	4.545	4.045	3.541	3.053	2.641	.27	1.730
50000	6.119	5.619	5.118		4.129	3.625	3.137	2.714	d m	1.800
53000 ■	6.589	5.799	•	٠	4.302	3.810	3.320	2.874	30	1.955
00009	6.451	5.951	•	4.955	4.458	3,956	3.476		.63	2.524
65000=	6.581	6.081	•	5.089	4.592	4.100	3.609	•	.75	2,634
20000	6.694	6.193	9		4.697	4.139	3.701		.85	2,732
75000 =	6.792	6.292		•	4.799	4.331	3.802		693	8
80000	6.880	6+379	8	'n.	4.890	4.392	3.892	•	.0	2.892
85000	6.957	6.457	6	•	4.960	4.472	3.973	•	• 08	S S
00006	7.027	6.527	6.026	• 52	5.032	4.545	4.045	•	• 14	3.015
95000	•	6.590	0	5,595	6	4 • 595	4.111	•	6.19	9
100000	7	Ó	٦.	65	. 15	4.655	.17	•	2.2	
125000	7.372	6.871	6.370	5.869		4.875	4.383	3.901		3,296
150000	O	7.028	ស	0	•	• 0	4		69.	3.420

7.000	***	****	***	***	***	***	***	***	0.965	0.970	0.975	0.980	0.984	0.989	000	1.002	1.006	1.010	1.014	1.017	1.021	1.024	1.028	1.031	1000	1-044	1.050	1.057	1.065	1.0074	1.085	1.098	1.133	17	1.255	1.360	.47	1.598	1.717	83	60	60.	2	2,654	88	
0000	***	*****	***	****	***	*	95	• 96	0.965	76.	76.	96	984	86	2000	00	00.	1.010	1.014	0.	0.5	1.024	1.028	1.031	000	1.038	1.053	1.062	1.073	1.088	-	1.132	1.204	ι α _λ ι	1.391	1.556	.72	1.876	.03	. 17	.31	4.4	40	2.00 k	.30	
0 0 0 0	***	. *	. *	***	• 94	.95	00	96.	6	.69	69.	90 C	ָ הַלְּכָּ	ສ (, 0	00.	00	1.010	0	1.017	1.021	1.025	1.028	1.032		1.039	1.060	1.076	1.098		•	1.230	1.372	1.456	1.671	1.901		2,313	٠			6	0	3.510	7.7	
0 0 0	***	* * * * * * * * * * * * * * * * * * *	***	ò	0.947		٠	•	0.965	•	•	•	٠		90000		1.006	•	1.014	•	1.021	1.025	1.029	1.034	6604	1.044	1.082	1.119	1.174	1.245	329	1.432	1.667	1.789	2.075	2,343	2.579	2.775	2.957	3.120	3.264	3.382	W. 400	4.000 0.00	4.277	
0 0 0	***	450-0	. 0	46	• 94	0.951	0.956	196.0	0.965	0.970	0.975	086.0	486	0.989	900	1.002	1.006	1.010	1.014	1,018	1.022	1.027	1.032	1.039	+ to	1.058	84.1	1.230	1.340	1.474	1.618	1.774	2.073	2.217	2.545	2.820	3.054	3.257	3.452	3.608	3.753	3.884	3.993	4.496	4 - 773	
8	* (0.000			0,	Ç	0.956	0.961	0.965	0.6.0	0.975	0.980	0.984	0.989	500°C	1 0000	1.006	1.010	1.015	1.020	1.025	1.032	1.042	1.055	****	1.100	1.298	1.455	1.637	1.829	2.019	202	0.00.0	2.688	3.024	3.307	3.549	3.758	3.941	4.102	4.244	•	84.	4.591	25	
000	* (₩ ₩ ₩ ₩ ₩	020	0 943	0 947	0 951	0 956	0 961	0 965	0 970	0 975	0 980	0 984	0.989	£000 = 0	0000		1 011	1-017	1 024	1 034	1 049	1 071	1 104		1 208				2=275	2 485	2 680	000 Z	3 181	3 521	3 806	4 049	4 258						5 091 4 4 9 2	76	
0000	92	<u>ئ</u> و	• 0	• •	. 0	•	•		995*0	٠	•	Q.	•	•	0.094	• •	1.008	•	1.024	1.038	1.062	•	1.150	1 -225	1.322	1.437	1.988	2.263			•	3.1.73	5.5000 4.5000	3.679	4.020	4.306	4.549	4.759	4.942	5.102	5.245	•	•	5.592		
0 0 1	92	 O) () () ()	•	E 40.0	146.0	0.951	986.0	0.961	0.965	0.970	0.975	086.0	0.984	0.989	4000	4000	1.012	1.024	•	1.079	1.136	1.221	1.335	1.475	550.1	1.799	2.453	2.745	3.010	3.251	3.471	3.671	0.00 0.00 0.00	4.179	4.520	4.806	5.049	5.259	5.442	5.603	•		٠ •	6.092		
0 0 0 0 1	_O ≀	מינ מינ	4000	0	0.947	0.951	6	C)	0.965	0.970	0.975	0	Ŏ.	0	0.994	• 0	1.024	0	1.103	•	1.313	4	•	1.853	ວຸ	4.	40	, 6	50	. 75	.97	.17	4.304	J ~	. ∾	.30	4	.75	4	• 10	4	.37	• 48	80	25	
T DES K/LOG PE	3000	0004	0000		0 0 0 0 0 m	00006	# 0 00 0 F	11000	Ν	30	4	20	9	_	18000		21000	22000	23000	00042	25000	26000	27000	28000	29000	30000	20000 46000		38008	40000	42000	44000	0000		55000	00009	65000	70000	000a2	80000	85000	■00006	95000	100000	150000	

) })) 			•		•				
7000	0.603	0.603	0.603	0 603	0.603	0.603	0.603	****	* * *	***
8000	9	9		0 604	9	0.534	0.604	69	*	***
0006	9	99	9	0 607	9	209.0	٠	. 60	*	* * * *
0000	0		0.610	0 0 0	9	0.610	٠	10.	0.010	***************************************
000	0.621	0.621	. 6	0 621	9	0.621	0.621	0.621	0.621	0.621
3000	9	62	9	0 628	629	0.628	•	62	0.628	
4000	9	0.637	63	0 637	•63	0.637	0.637	.63	0.637	63
5000	0.646	0.646	•	0 646	54	0.646		64	0.646	0.646
0009	9	0.656	9.	0 656	•65	0.656		.65	0.656	0.656
2000	9.	0.666	999.0	999 0	• 66	0.666	•	99.	0.666	99
0008	9	0.677	9	0 677	67	0. 577	•	.67	0.677	29
0006	9	0.688	0.688	0 688	ന	0.688	•	609	0.688	68
20000	7.	0.700	0.700	0 200	0.700	0.7.0	•	. 70	0.700	0.700
0001	: چا	0.711	0.711	0 711	0.711	0.711	•	.71	0.711	0.711
0000		0.723	0.723	0 723	0.723	0.723		.72	0.723	0.723
3000	2	0.734	0.734	0 734	0.734	0.734	•	. 73	0.734	73
000	٠,	0.746		0 746	0.746	0.746		.74	0.746	0.746
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2000	•	9/•	•	89/0	80/.0	0.768	•	0	0.708	9
27000	-	6.779	•	0 779	0.779	622.0		77.	0.779	0.779
0000	0.500	0.790		062 0	0.790	067.0	•		0.790	0. 790
0000	0 0	108.0	0.800	9000	0.8.0	0.00	0000	00000	0.800	0.800
	9	0.835		0 831	0.830	0.930		83	0.830	0.830
000	8	0.865	•	0 850	0.849	0.849		84	0.849	0.849
000	0	0.918		0 872	0.868	0.867		. 86	0.867	0.866
8000	1.212	1.016	0.930	668 0	0.888	0.885		.88	0.883	0.883
0000	4	1.183	1.010	0 937	0.912	0.903	•	66.	0.899	83
2000	8	1.415	1.141	000	0.943	0.924	. •	91	0.915	0.914
4000	-	1.686	1 • 325	1 096	0.989	0.949		93	0.929	92
0000	2.438	1.967	1.548	1 234	1.057	0.982	0.956	96.	0.944	0.943
9 0 00	•	2.243	1.788	1 408		1.029	0.981	96	0.958	9
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0000	ņ	4.000	P	0 T 0 = 9	7.020	000	1.042	***	0	1.092
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5000	، بنو	4.685	4.185	3 685	3.187	2.694	•	1.788	10	. 25
0000	4	Ç.	4.462		3.463	2.956		0.0	.03	٠
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25000	ġ.	4 8	5.979	4	4.979		3.983	σο.	2.994	2,534
000	2.440	46	•	5=940	.43	4.939	4	3.946	4.0	96

ATOMIC SPECIES : F 4

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00000	3.890	3,392	89	4	1.968	1.630	m	CI	.21	1.195
8500.0	4.226	.72	Š	73	2.5	1.839	1.515	3	24	2.
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125000	5,965	4	Ŏ.	4	٠	•		φ.	90	1.711
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2.000	****** 0.0704 0.0719 0.728 0.735 0.740	447	26.7.0	0.766 0.767 0.770 0.770	0.774 0.778 0.778 0.780 0.782 0.782	0.798 0.804 0.810 0.817 0.834 0.839 0.839	0.908 0.908 0.908 0.930 0.996 1.045 1.131 1.258 1.423 2.412
000	****** 0 704 0 719 0 728 0 735 0 740	0 744 0 748 0 751 0 755	0 759 0 759 0 761 0 762	0 766	0 774 0 778 0 778 0 780 0 782 0 787	0 798 0 804 0 810 0 817 0 824 0 831 0 846	0 687 0 935 0 935 0 935 1 1 1 48 1 1 3 18 1 7 78 2 897 3 698
0 0 0 0	0.681 0.704 0.719 0.728 0.735		0.759 0.759 0.761 0.762	0.769	0.774 0.774 0.778 0.778 0.780 0.782		0.887 0.912 0.950 1.052 1.156 1.541 1.933 2.219 3.392
0 0 •	0.681 0.704 0.719 0.728 0.735	<i>rrrrr</i>	0.759 0.761 0.762 0.763	0.769	0.774 0.776 0.778 0.778 0.788 0.782	0.798 0.804 0.810 0.817 0.824 0.839 0.846	0.000 0.000 0.000 0.000 1.100 1.700 2.000 0.000 0.000 0.000 0.000
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ATOMIC SPECIES :

TOMIC SPECIES : F 7

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000	* * * * * * * * * * * * * * * * * * *		0 927 0 932 0 937 0 937	0 951 0 951 0 955 0 960		0 = 984 0 = 988 0 = 991 0 = 995 0 = 999 1 = 00.6	1 0000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	000000000000000000000000000000000000000	4 =0.65
0000	0.801 0.839 0.862 0.877		0 927 0 927 0 932 0 937	0.946 0.951 0.955 0.960	0 0 0 0 0 0	0.988 0.988 0.999 0.999 1.006	1,0026 1,0026 1,0026 1,0033 1,0045	1.0063 1.0063 1.0092 1.108 1.178 1.4	4.565
0 0 1	0.801 0.849 0.862 0.887	0.857 0.965 0.911 0.917	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.9946 0.9955 0.9955 0.960	י אס אס אס אס	0.988 0.988 0.991 0.995 1.0999	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.0063 1.0063 1.0093 1.113 1.261 1.8681 1.8681 2.5268 2.8526	5.065
000	0 801 0 839 0 862 0 877				v v v v v	0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0			r)
T DSG K/LØG PE	3040 4040 5040 6000	000000000000000000000000000000000000000	00000	000000000000000000000000000000000000000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		1 50(000

ATOMIC SPECIES : NE 6

7. 000	***************************************	* * 0 0 0 0		0.755 0.757 0.758 0.760 0.761		0.872 0.890 0.908 0.925 0.942 0.959 0.959 1.062
000	*********	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 . 7 4 7 . 0 . 0 . 7 4 7 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 . 0 .	0.755 0.758 0.758 0.758 0.760 0.761	00000000000000000000000000000000000000	0.872 0.890 0.908 0.925 0.959 0.959 1.064
0 a • s	* * * * * * * * * * * * * * * * * * *	0 735 0 734 0 737 0 737 0 747	0 7 4 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 755 0 757 0 758 0 760 0 761	0 7 6 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 872 0 890 0 908 0 925 0 942 0 959 0 975 1 070
0 0 0	***** ***** 0 • 704	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.745 0.745 0.747 0.75 0.75 0.75 0.75	0.755 0.757 0.758 0.760 0.761	6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
0 0 m	*** 0.676 0.704 0.704 0.704	4 7 7 7 7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.755 0.757 0.758 0.750 0.761	8888888777777	8 8 9 9 9 9 9 9 4 9
5000	*** 0.653 0.653 0.653 0.657 0.706 0.706 0.706	2 2 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 4 4 4 6 6 6	0.755 0.757 0.758 0.760 0.761	85 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20000000000000000000000000000000000000
000	**************************************	0.725 0.730 0.730 0.737 0.740		0.755 0.757 0.758 0.760 0.761	8 8 8 8 8 9 9 9 8 8 9 9 9 9 9 9 9 9 9 9	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
000			となるとなってい	0.755 0.757 0.758 0.758 0.760	0.766 0.776 0.776 0.776 0.778 0.780 0.790 0.790 0.801 0.814 0.837	
0 00 e 1	100 100 100 100 100 100 100 100 100 100	- 0 L L L L L L L	00000000000000000000000000000000000000	0 755 0 757 0 757 0 758 0 760 0 761	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6 8 7 5 8 5 5 6 6 7
2.000	65 65 69 70 71	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	444466	75 75 75 75 75 75 75 75 75 75 75 75 75 7	0.776 0.776 0.776 0.776 0.778 0.786 0.796 0.801 0.801 0.801 0.837	0 0 0 0 0 0 1 4 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
%	4 0000 000 000 000 000 000 000 000 000	10000 12000 13000 14000	15000. 16000. 17000. 18000. 20000. 21000.	22000. 23000. 24000. 25000. 26000.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

ATOMIC SPECIES :

7. 000	0 00		0 002		0 000	0 013	0 017	0 022	0 028	0 034	0 041			0 114		0. 1.74	0. 205	0.235	0.265		0, 321	0.442	0.538
000 9	0 00 0	0.001	0.002	0 005	0 00 0	0 013	0 017	0 022	0 028	0 034	0 0.4 1	0 0 5 2	0 087	0 114	0 144	0 174	0 205	0 235	0 265	0 293	0 321	0 442	0 544
cc s	000	000	000	0	0 0	0 0	10 0	0 0 2	0 02	0	0 04	0	80 0	0 11	0		0 50		0 26	0 29	32	0 44	0 56
4.000	000	10010	200. 000.	0 O	200-0	0 0 13	P I O	0 02Z	0 028	0 034	0 0 0	0 - 062	0 087	111	141	121 0	0 205		0 265	0 2.93		0 445	0 611
0 CIII II II	000		0 0		00	£ 0 ■ 0	0	0 0	٥	0 4	٥	9	Ģ	0 1 4	0 4	0 1 4	0 2 5	0 = 2	a 2	0 23	0 31	4 4	6 7 0
2.00	0 0 0	00.0	0000	00.0	000	0.01	0.01	0.02	0.02	0.103	40.0	0.06	0.08	011	0.14	0.17	0.50	0.23	0.	0.29	0.32	0.47	66*0
000	0 0 0		0)02		0 007		0 117	0 122	0 328	0)34	0 341	0=)62	0 38.7	0 114	0 144		0 205		0 265		0 322	0 547	-
0 0 0 0	0 0 0 0	0 001	0 002	0 005	0 007	0=013	0 017	0 022	0 028	0 034	0 0 41	0=062	0 0 87	0 114	0 144	0 174	0 205	0 235	0=265		0 325	0 713	1834
0 0 0	000	000	0.0	0	0 0		0 0	0 0	0 0	0 0 4	0 0	0 0	0 0	0 1 4	0 1 4	0 1 4	0 2 5	0 2	0 2 5	0 2 7	0 3	1 0 4	23 53 50
000 8	0 0 0		0 0 0	0	0 0			0 0	0 0	0 0	0	0	0	0 1 4	0 1 4		0 2 5		2		0 3 6	1 4 7	2 8 4
T DEG K/LOG PE	25000	28000 = 29000 =	0000 m	34000	36000	00004	4.2000	44000	46000	4 8000	50000	55000	00000	65000	70000	75000	80000	85000	00006	95000	100000	125000	150000

o≤G ≺/LBG pE	12.000	00?1-	0 0 0 1	<i>0</i> <i>0</i> <i>0</i>	2.000	000 m	0 0 0 4	S 000 000	000	000
280 00	0.302	0.302	0.302	302	0.302	302	0.302	0.302	0.302	0 302
30000		0.302	0.302		0.302		0.302	0.302	0.302	
320 00	0.303	0.303	0.303	303	0.4303	0 = 303	0.303	0.303	0.303	0 303
340 00		0.303	0.303	0 303	0.•303	0 303	0.303	0.303	0.303	303
36000		0.304	0.304	304	0304	304	0.304	0.304	0.304	304
380,00.		0.306	0.306	908	0.306	336	0.305	0.306	0.306	306
40000		0.307	0.307	30.7	0.307	0 307	0.307	0.307	0.307	307
4 ≤0 00		0.309	0.309	608 0	0.309	602=0	0.309	0.339	0.309	309
44000		0.311	0.311	311	0.311	0 311	0.311	0.311	0.311	311
46000		0.313	0.313	0 313	0.313	0 313	0.313	0.313	0.313	313
480.00		0.316	0.316	0 316	0.316	0 316	0.316	0.316	0.316	316
50000		0.319	0.319	0 319	0.319	0 319	0.319	0.319	0.319	918
55000		0.327	0.327	0 327	0.327	0 327	0.327	0.327	0.327	0= 327
60000		0.337	0.337	0 337	0.337	0 337	0.337	0.337	0.337	337
65000		0.347	0.347	0 347	0.347	0 347	0.347	0.347	0.347	0 347
70000		0.359	0.359	9359	0.359	0 359	0.359	0.359	0.359	0 359
75000	0.371	0.371	0.371	0 371	0.371	0. 371	0.371	0.371	0.371	0 37.1
80000		0.383	0.383	0 383	0.383	0.383	0.383	0.383	0.383	0 383
85000		0.396	0.396		0.396	0 = 396	968.0	0.396	0.396	968 =0
■00006		0.408	0.408	0 4 08	0.408	0 = 438	0.403	0.408	0.408	0 408
95000	0.421	0.421	0.421	0 421	0.421	0 421	0.421	0.421	0.421	0 421
100000	0.433	0.433	0.433	0 433	0.433	0 433	0.433	0.433	0.433	0 433
125000	0.604	0.529	0.503	46.4■0	0.491	0.490	0.490	0.490	0.490	0 490
150000	1.649	1.216	0.878	0=676	0.586	0 553	0.542	0.539	0.538	0 538
										0

ATOMIC SPECIES : NE 8

0	***	*	*	*	* * * *		* * * *	**	0.56	0.67	0.74	o	0.86	0.92	0.979	• •	1.10	1.16	_		_		_	ল		1.436	7.	-, ,		7 -	1001	2 1.705	1.73	1. 75	1.78	1.96	2.00	2.03	2.07	2.09	2.12	2.	2, 16	2,18	2.20	N 6	Z* 2Z
)) 	***	***	***	*	* * * *	* * * * * * * * * * * * * * * * * * *	0.55	99	• 76	• 86	• 95	1.04	27	6.4	1000	֓֞֜֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	ָ ער	9	• 65	69.	. 73	12.	1.81	84	.87	90	0 0	5 6	0.0			90	. 22	.24	• 26	44.	8	522	• 53	58	.61	63	65	19.	9 1	2.755	N.
0 0 0 0	*	****	***	*	* !		٠,	88	.02	•	36	. 47	5.2	99	1.741	0 0	0	9	40.	60.	.13	• 17	- 21	\$2.	6 E	4 4	.	9 1	20.0	0 4	• 6	2.701	.72	.75	.77	82	86	.02	.03	.01	01.	2		. 55	9 (3.221	v
0 0 •	***	***	**	*	4 4	0	0	.19	36	53	65	78	06	000	• 10		אינ אינ	9 4	.46	649	• 54	.59	• 64	• 68	.72	• 76	9 0	0 0	400	יי קיי	, C		.13	• 16	• 19	• 56	333	.38	40	• 45	4.9	52	ອີດ ເຄື	928	9	0/1	2
0 0 0 m	***	*	31	.33	υ. 1		m	CC CC	79	.97	.12	ď	• 36	74.	•	900	α	88	92	.93	.03	. 38	F)	• 17	.21	3.256		0.0	441	4 11	1 (c)		.63	53	. 68	•75	.82	.87	6.93	95	66.	9	0.0	20.	Ω •	J 1	
0 0 0 N	***	• 30	33	841	, ,	1.1.7	•	90	25	44.	9	.73	85	96	0 4	9 0	1 0	3,365	4.	48	54	57	• 62	99.	.70	73	9	0	6 0	,	4.014		.12	• 15	•19	. 25	.31	•36	40	44.	• 48	.51	.54	.57	9	0 1	4.00
000	***	0.308	.38	9	9 7	9 6		5.	.74	.93	• 00	3.229	3.354	3.465	3,559	5.040	2 702	3,861	3.924	3.982	4.027	4.075	4.118	4.185	4.197	4.236	4.298	4.302	4.419	4.400	4 • 4 • 4 • 6 • 7 • 7 • 7	4.587	4.625	4.659	4.684	4.756	.81	• 86	66.	94	96	10.	5.041	•	60	7	5,263
0 0 0 1	.30	'n.	• 50	03	0	014		0.0	•	•	•	•			•	4.1.30	•		•	•		•	•	٠	0		•	9	o c	•	9 9	5.082	~	4	7	C)	•30	.35	• 40	44	7.4.	000	53	ឃុំ	8	σ. (ο 1	0.704
0 0 0	30	3	.73	.52	51.2	.57	106.E	53	.74	.92	.08	22	4	• Ω	40°	֓֞֞֜֜֜֓֓֓֓֓֓֜֜֜֓֓֓֓֓֜֜֜֓֓֓֓֓֓֓֓֡֜֜֓֓֓֓֡֓֜֜֓֡֓֡֓֡֓֡֓֡֓֡֓֡֓֡֡֡	• •	• 00 • 00 • 10	0 6	96	.01	90.	1.0	.14	18	2	50	η. Υ	4	4 (ָ מַנְּ	0.00 0.00 0.00 0.00	.61	65	60	• 74	980	88	66	40.	56.	0	.03	o	60.	6.190	9
000 81 1	0.302	0.402	1.158	2.025	2.586	3.076	3.774	4.028	4 - 243	4.426	4.584	4.723	4.845	4.953	5.050	5.137	017.0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	5.405	5.461	5.513	5.562	2.607	5.649	5.689	5.726	5.794	5.854	606*8	696*9	\$00¢	6.083	6.118	6.151	6.182	6.249	6.307	6.358	6.402	5.442	6.478	6.510	6.539	6.566	6.591	6.691	0.765
T D≤G ≺/Lo≤ P≤	3000		5000	•0009	1000	.0000	• 9000 •	00001	-0000-	13000	14000	15300.	16000	17000.	18000.	19000	20008	23000	93000	24000	25000	26000•	27000.	28000.	29000	30000	32000.	34000	36000	38000	40000	40004	46000	48000	50000	55000•	•00009	65000	70000	75000.	80000	85000•	*00006		100000	125000.	150000

7 000 000.9 5 000 000 e 3.158 3 000 2 000 1.000 0.000 0.000 0.000 0.000 0.002 0.002 0.003 000 0.000 0.001 11.000 0.001 0.003 0.003 0.003 0.004 0.004 0.0191 0.323 0.493 000 N a Ę, DSG K/LDG DICHES SPECIES 22000 23000 24000 25000 25000 27000 28000 29000 30000 34000 36000 38000 4 20 00 4 4 20 00 4 4 40 00 4 60 00 5 0 0 00 5 0 0 00 65000 70000 75000 85000 95000 95000 95000 95000 55000 00009

7.000 7.	* * *	***	***	***	***	* ***	* *	***	*	0.756	0.757	0,759	0.760	0.761	0.762	0.763	0.764	0.764	0.765	0.766	0.766	0.767	0.767	0.768	0.768	0.768	0.769	0.769	0.769	0.77.0	0.770	0.771	0.771	0.772	0.772	0.772	0.773	0.775	0-780	0.792	0.818	•	•	0	-	1.322	4	2.167	2. 658
000	*	*	***	**	#	*	* 1		2	×	~	20	2	2	2	2	2	0.764	2	9	3.6	• 76	76	• 76	.76	•76	.76	9.7	.76	7	17	.77	22.	22.	77.			A77.0	Q	82	88	0	5	000°4	1.533	1.711	1.895	2.630	3.154
0 0 0 15	*	***	*	***	*	0.745	0.749	0.752	0.754	0.756	0.757	0.759	0.760	0.761	0.762	0.763	0.764	0.754	0.765	0.766	0.766	0.757	0.767	0.758	0.758	0.768	0.769	0.769	0.769	0.770	0.770	0.771	0.771	0.772	0.772	0.773	0.774	0.787	0.822	0.905	1.057	1.259	1 - 496	73	96		0	-	3.544
0 0 0 e	*	***	***	*		-	0.749	•		0.756	-		0.760	0.761	0.762	0.763	0.764	0.764	0.765	0.•766	0.766	0.767	0.757	0.768	0.768	• 76	0.769	0.769	70	•77	0.770	0.771	.77	0.772	0.773	4/1.0		20.00	06	•	35	65	0	19	4	.65	IO.	9	4.142
0000 m	*	*	0.728	0.736	0.741	0.745	0.749	0.752	0.754	0.756	0.757	0.759	0.760	0.761	0.752	0.763	0.764	0.764	• 75	•75	• 76		• 76	• 76	• 76	. 76	~	0.769	0.769	0.770	0.770	0.771	0.772	0.773	• 7.7	• (0.00	0 0	10	4	~	0	6	667		4	434	4.115	4.636
00a	*	•71	0.728	.73	0.741	• 74	0.749	. 7.3	. 75	.75	.75	iO	•76	92.	vo ·	• 76	•76	0.764	• 76	• 76	• 76	100	•10	• 76	• 76	126	• 76	.76	• 76	.77	0.771	77.	22	77.	ָ פַּ	,		90	4.3	8	23	50	89	-	.42	.64	.84		
0000	***	• 71	.72	0.736	• 74	. 74	0.749	76/00	0.754		7.5	. 75	0.760	• 76	• 76	• 76		0.764		0.766	• 76	• 76	• 76	• 76	0.768	0.768	.76	0.769	٠	•	0.771	•	•	0.782	•	1000	•	1.383	•	32	.72	0	m		Q,	• 14	• 34	•	5.637
000° 0	0.702	.71	0.728	m	47.	• 74	ক ৷			0.756	.75	iÒ		0.761		0.763		16	0.765	0.766	0.766	•	.76	•	•		0.769	.76	11	11.		11.	.78	9	٠		2 0		. 67		2	•	0	113	4	•64	84	9	6 • 1 38
1.000	0.702	.71	.72	0.736	.74	4	74	0	.75	• 75	.75	.75	•76	• 76	Ó	•	• 76	92	9 .	0.766	• 76	•	16	0.768	0.768	• 76	.76	• 76	. 7.7	11	0.774		٠	0 0	φ, (),	+ 0 T • T	A	•	8	'n	72		0	67	.92	7	43.4	6.117	9
00? ?	0 702	0 718	0 728	0=736	0=741	0 745	0 749	767 0	0 754	0 756	0 757	0.759	0=760	0=761	0 762	0 763	0 764	0 764	0 765	0.766	0.766	0=767	0=767	0 768	0 768	0 768	0 769	0 769	0 2 2 0	0=773	0=782	0 8 0	0 881	1 025	242	000	01010	2.756	3.329	3,808	4.221	4.580	808	5,173	5,422	5,645	5,346	6,617	7,138
T DEG K/LUG PE	3000	4000	5000	0009	2000	8000	0000	10000	1 0 00	120 00	13000	14000	1 HO OO	160 00	17000	180 00	190 00	200.00	21000	20 00 E	■ 00 OE	■ 00 C a	■ 00 CE	260 00	270 00	2HO 00	290 00	90000	320 00	340 00	■ 00 cg/	■ 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#00 00 0	8 0 0 0	■ 00 034 00 034	- C C C C	8 0CF	550 CO	00.009	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	800	- 00 OEZ	8 668	830,08	■ Ø: 006	3000 €	000	280 00	8000

psg K/LOG pe	000	1.000	000	000	2.000	0 0 0	000°e	5.000	0 0 9	0 0 1C
	0.859	0.89	0.859	**	***	****	***	***	***	* * * * * * * * * * * * * * * * * * * *
) c	, 4	3	α	8	0.87	*	***	***	***	**
	0.893	·O	89	89	0	8	***	***	***	***
8	90	6		90	90	0	*	* *	***	*
7000	• 90	6	6	.90	90	6	90	*	* * * * *	* * * * * * * * * * * * * * * * * * * *
•	.91	0	0	.91	6	0	6.	.91	**	* * *
900	.92	6	Q.	. 92	92	G.	26	.92	* (*
000	92	Q.	O	92	9	0	• 92	9	92	*
100	92	0	6	. 92	9	Ü	.92	92	.92	*
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18000	95	.0	95	0	O	6	95	. 95	.95	
19000	96	Ç,	96	. 96	96	0	• 96	96.	96.	Q.
\circ	'n	6	96	96.	96	Ç,	96.	96.	96	0.964
0	96.	.	96.	• 96	0	Ö.	96.	96.	96	•
22000	.97	Ç.	6	•	Ŏ.	Ō	-97	. 97	16.	
\sim	.97	Q.	• 97	. 67	Q.	Ŏ,	.97	.97	.97	0.975
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42000	0.1	1.028	•	9	o c	0 0	0 0	9 0	0.0	1.028
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Ó	23	1.118	1.074	1.059	1.055	1.053		.05		1.052
0	99•	35	7	7	0	.06	• 06	• 0 6	•06	-
65000	2.227	.78	4	ď	1.122	.08	• 07	• 06	1.06	1.067
20000■	.76	.28	8	4	Ą	• 13	60.	8	• 07	
င္ဖ	10	.75	Ŋ	. 83	1.473	• 24	• 14	• 10	• 08	•
8	• 68	• 18	• 68	.21		• 43	22	• 13	9.	1.092
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0000	16.	.43	.97	.47	6	649	.02	. 53	9	٠
125000	•01	-	5.018	4.518	4.018	.51	.02	2.539	90	
150000	6.723	ď	2	a	N	Q.	• 72	233	• 7 4	2.280

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ATOMIC SPECIES

0.606 0.614 0.646 0.653 0.660 0.700 0.708 0.717 0.733 0.749 0.765 0.781 0.811 0.825 0.852 0.864 0.894 0.920 0.945 0.968 0.622 0.627 0.633 0.639 0.684 7.000 0.668 0.676 0.692 988 0.606 0.608 0.611 0.618 0.633 0.639 0.646 0.653 0.603 0.622 0.668 0.684 0.000.9 0.660 1.062 1.080 1.250 0.605 0.608 0.611 0.618 0.733 0.749 0.749 0.765 0.781 0.828 0.828 0.828 0.829 0.820 0.503 0.522 0.603 0.603 0.603 0.603 0.603 0.603 0.603 0.603 0.603 0.603 0.603 0.603 0.603 0.733 0.733 0.733 0.749 0000 6.00 * 1 1.029 1.080 1.122 1.716 989 0.603 0.603 0.604 0.636 0.608 0.611 0.989 0.717 0.733 0.749 0.765 0.781 0.796 0.852 0.852 0.894 0.920 0.945 000 0.825 0.838 1.011 1.059 1.123 1.210 0.603 0.603 0.604 0.606 0.608 0.653 0.653 0.627 0.633 0.633 0.633 0.633 0.653 0.653 0.676 0.684 0.692 0.700 0.717 0.717 0.733 0.765 0.765 0.765 0.765 0.811 0.852 0.864 0.920 0.945 0.968 0.991 .235 .408 .055 .597 0.603 0.604 0.604 0.608 0.608 0.618 0.622 0.627 0.633 0.633 0.646 0.658 0.658 0.676 0.692 0.700 0.700 0.733 0.745 0.733 0.745 0.825 0.852 0.864 0.894 0.920 0.945 1.112 000 0.614 0.996 0.603 0.604 0.606 0.606 0.611 0.611 0.622 0.623 0.623 0.654 0.653 0.852 0.864 0.894 0.921 0.973 1.013 -0.000 0.825 1.093 0.603 0.603 0.604 0.608 0.608 0.622 0.627 0.633 0.653 0.663 0.663 0.663 0.676 0.770 0.770 0.733 0.785 0.781 0.852 0.864 0.894 0.921 -1.000 0.618 0.825 0.614 0.984 1.234 1.531 0.603 0.603 0.604 0.606 0.608 0.611 610.1 1.507 1.507 1.927 2.359 0.922 -2.000 .766 w a DES K/LOG 17000 18000 19000 20000 21000 25000 25000 27000 27000 28000 330000 34000 36000 9000 0000 1000 2000 4000 5000 65000 48000 50000 55000 85000 23000 24000 38000 00000 42000 44000 70000 75000 80000 00006 46000

0 0 0 IC	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *		0.947 0.951 0.958 0.958	0.969 0.969 0.973 0.976 0.979		1.055 1.055 1.058 1.058 1.105 1.117 1.1152 1.1152 1.1152 1.1152
000	* * * * * * * * * * * * * * * * * * * *	* * 8 8 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	96 76 79 79 89	000000000000000000000000000000000000000	11.096 11.006 11
S 000	* * * * * * (0.887 0.895 0.901 0.907	0.9927 0.9927 0.9931 0.9935	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.9978 0.9978 0.9978 0.9978	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.0042 1.0055 1.0056 1.0068 1.0092 1.0128 1.0128 1.0163 1.0163
4	* * * * * * * * * * * * * * * * * * * *			7 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0.959 0.969 0.978 0.978		1.0042 1.0055 1.0068 1.0080 1.0092 1.105 1.116 1.1163 1.152 1.163 1.163
3_000	* * * 0 * * * 0 * * * 0 * * * 0 * * * 0	, , , , ,		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.040 1.
000 Z	**************************************	0.887 0.895 0.90± 0.907 0.912	0.917 0.922 0.927 0.931 0.939	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.973 0.973 0.973 0.976 0.976	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.0042 1.0055 1.0058 1.0092 1.0105 1.117 1.117 1.1169 1.169
000	**************************************	0.887 0.895 0.901 0.907	0.922 0.922 0.927 0.931 0.935	0.9955 0.9955 0.9955	0.969 0.973 0.976 0.976 0.976	0.989 0.996 1.002 1.003 1.020 1.032 1.033	1.0042 1.0055 1.0068 1.0092 1.117 1.117 1.1180 1.180 1.723
000	77 88 84 87 87	0.887 0.895 0.901 0.912		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.969 0.973 0.976 0.976 0.979		1.0042 1.055 1.0568 1.0092 1.105 1.117 1.117 1.216 2.119
0000	~ ∞ ∞ ∞ ∞ .	ઝ છે છે છે છે.			, , , , , , , , , , , , , , , , , , ,	990000000	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
12.000	- w w w w	က်ကော်လူလုံလုံ	0.9927 0.922 0.927 0.931 0.935	, , , , , , , , , , , , , , , , , , ,	0.976 0.973 0.973 0.976 0.976		1.0042 1.0055 1.0056 1.0068 1.1020 1.1020 1.1020 1.0057 1.0067
r DEG K/Log pe	3000 4000 5000 7000	9000 10000 11000 12000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

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ATOMIC SPECIES

**** 0.739 0.733 0.733 0.733 0.733 0.733 0.733 0.733 0.744 0.748 0.753 7.000 00009 0 · 674 0 · 6885 0 · 6885 0 · 7011 0 · ** 5.000 *** 4.000 ***** 0.619 3.000 0.619 0.643 0.643 0.661 0.707 0.707 0.712 0.721 0.721 0.721 0.723 0.723 0.724 0.723 0.724 0.723 0.724 0.723 0.724 0.723 0.723 0.724 0.723 0.723 0.724 0.723 0.586 2.000 0.6643 0.6644 0.6661 0.707 0.707 0.707 0.717 0.586 1.000 0.536 0.586 0.619 0.643 0.661 0.661 0.694 0.694 0.707 0.712 0.712 0.727 0.727 0.733 0.733 0.733 0.733 0.734 0.744 0.744 0.744 0.744 0.744 0.744 0.744 0.744 0.743 0.753 0.753 0.753 0.753 0.753 0.763 -0.000 0.883 0.0999 0.993 0.993 0.998 0.948 0.948 -1.000 0.536 0.586 0.619 -2.000 0.932 P.E 086 X/10G 3000 4000 6000 36000 38000 40000 50000 55000 60000 65000 70000 32000 85000 90000 42000 ■00056 44000 125000 48000 80000 46000

C SPECIES : NA	89									
DEG Karos PE	-2.000	000 1	000.0-	000	2.000	3.000	0 0 0 0 3	000 e	0 0 0	7.000
21000 •	0.001	0.001	0.001	0 001	0 - 00 1	0.001	001	0 001	0 001	0 001
22000	0.001	0.001	0.001	0 001	0.001	0.001		0 001	100 0	0 001
23000	0.001	100.0	0.001	0 001	0.001	100.0	0 001	0 001	0 001	0 001
24000 •	0.002	0.002	0.002	0=005	0-002	0.002	200=0	0 002	0=002	0=005
25000.	0.003	0.003	0.003	€00∎0	0000	60000		0 003	0=003	0=003
26000.	0.003	01003	0.003	0 003	E 00 10	£00ª0	0.03	0.003	500 C	0 003
27000 •	0.004	0.004	0.004	0 004	04.004	900*0	004	0 004	0 004	0 004
28000	90000	900.0	900.0	900 0	90010	900.0	900 0	90a 0	900 0	900 0
29000	0.007	200 0	0.007	200 0	0.007	200.0	200 0	20000	200 0	0 007
30000	600.0	600 0	600.0	6:00 0	6.00	600.0	600 0	60000	600 0	600 0
32000	0.012	0 012	0.012	0.012	0.012	0.012	0=012	0=012	0.012	0=012
34000 •	0.017	O 0 1 7	0.017	0=017	0.017	0.017	0=017	0=117	210=0	0=017
36000	0.023	0 023	0.023	0 023	0,023	0.023	0 023	0=023	0 023	0 023
38000	0.030	0.030	0.030	0 030	0.030	0.030	0.030	0.000	0 030	0 030
40000	0.038	0 038	0.038	0 038	0.038	0.038	0 038	0=038	0 038	0 038
42000.	0.047	0 047	0.047	0 047	0 047	0.047		0=047	0 047	0 047
44000•	0.057	0 057	0.057	0 057	04057	0.057	0 057	0=057	0 057	0.057
46000	0.068	0 068	0.068	0 068	8 90 10	0.068		0=058	0 068	0 068
4800P	0.079	640 0	0.079	0.079	01079	6.00	0=079	640 0	0.00	620=0
50000	160.0	150=0	160.0	0=091	0.091	160.0	0=091	0 0 0	0=091	0=091
5500p	0.123	0-123	0.123	0 123	0,123	0.123	0 123	0 123	0 123	0-123
.00009	0.157	0 157	0.157	0 157	0.157	0.157	0 157	0 157	0 157	0 157
6500P	0.192	0 192	0.192	0 192	0,192	0.192	0 192	0 192	0 192	0 192
10000	0.227	0 227	0.227	0 227	0.227			0 227	0 227	0 227
75000	0.262	0 262	0.262	0 262	0 262	•		0 Z52	0 262	0 262
80000	0.296	0 296	0.296	0 296	0.296	ď	0.296	96Z 0	0 296	0 296
85000	0.329	0=329	0.329	0 329	0=329			0 329	0 329	0.329
. 00006	0.360	09≅ ■0	098.0	0=360	04360	0.360	0=360	09H 0	0 = 360	0=360
95000 a	0.391	0 091	165.0	0=391	0 1391			0 391	0 391	0 391
1000001	0.420	0 950	0.420	0 420	0,420	0.420	0 420	0 420		0.420
125000	0.570	0 556	٠	0 549	0.549	5.54	0 549	0 549	0 549	0 549
150000	1.211	0 914	0.753	0 686	0,663	0.655	0 653	0 652		0.652

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PIWMIC SPECIES

7.000 000 000 5 4.000 000°E 0.302 0.302 0.302 0.303 0.303 0.303 0.303 0.303 0.312 0.312 0.313 0.013 0.302 0.302 0.302 0.302 0.303 0.303 0.303 0.312 0.312 0.312 0.313 0.313 0.323 0.023 2.000 000 -0.000 0.302 0.302 0.302 0.302 0.302 0.303 0.303 0.312 0.312 0.313 0.013 -1.000 -2.000 w 5 DSG K/LOG

MG 22

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ATOMIC SPECIES

ATOMIC SPECIES : MG 3

000	0.000	0.000	0.00	0.00	0.000	0.00	0.00	00000	0.001	0.003	0.010	0.026	0.062	0.126	0.226	0.358	0.498	0.661	1.427	1.975	
000	000 0	00000	000=0	0000	000 0	000=0	00000	0000	0 00 5	0 008	0=027	0.010	0 157	0=296	0=477	0 680	0 874	1 075	1 890	2 471	
000	000 0	00000	000=0	0000	000	00000	000=0	0 001	900 0	0 023	0=074	0 187	0 365	665 0	0=851	1 100	1 324	1 541	2 386	2 961	
000 4	000 0	00000	000*0	00000	000 0	0.001	0.001	0.003	0.017	290.0	0.198	0.423	0.714	1.011	1,302	1.570	1.808	2.031	2.880	3.460	
000 m	000 0	0000	000=0	000_0	0 00 1	0 002	0=004	600=0	0 0 0	0 182	0=445	0=789	1 144	1 476	1.779	2=052	2 238	2 521	3 376	3 954	
2.000	0.000	00000	000.0	0.001	0.002	900.0	0.013	0.029	0.142	0.423	0.823	1.238	1.622	1.967	2.274	2.550	2.797	3.020	3.876	4.454	
1.000	00000	000.0	0.001	0.002	0.007	0.017	0.000	0.084	0.347	0.794	1,276	1.721	2.115	2.464	2,773	3.049	3,297	3.521	4.377	4.955	
0 a 7 0 -	00000	0.001	0.003	0.008	0.021	0.053	0.116	0.225	0.687	1.243	1.760	2.215	2.613	2.963	3.273	3.549	3.797	4.021	4.877	5.455	
-1.000	0.001	0.002	0.008	0.024	0.064	0.149	0.294	0.498	1.121	1.726	2.255	2.714	3.113	3.463	3,773	4.049	4.297	4.521	5.377	5.955	
000 • 000	0.002	0.007	0.025	0.072	0.177	0.361	609.0	0.892	1.598	2.220	2.754	3.213	3,613	3.963	4.273	4.550	4.797	5.021	5.877	6.455	
T DEG K/Log De	36000	38000	400004	42000	000044	46000	48000	00009	55000	00009	65000	70000	75000	80000	85000	00006	00000	1000001	125000	150000	

ATOMIC SPECIES : 00 4

44.00 44.00 <th< th=""><th>0</th></th<>	0
0.704 0.7050 0.724	0.671 0.6
0.714 0.714 0.714 0.713 4.***** ****** ****** ****** ****** ******	0.00 0.00
0.721 0.721 0.721 ******* ****** ****** ****** ******* ****	0.714 0.7
0.732 0.732 0.732 0.732 0.732 4****** ******* *********************	21 0.721 0.721 28 0.728 0.728
0.737 0.737 0.737 0.737 0.737 0.737 0.737 0.737 %***********************************	0.732 0.
0.740 0.744 0.745 0.745 0.745 0.746 0.746 0.746 0.746 0.746 0.747 0.745	0.737 0.
0.745 0.755 0.755	0.740 0.
0.747 0.747 0.747 0.747 0.747 0.747 0.747 0.749 0.749 0.749 0.749 0.749 0.749 0.749 0.749 0.749 0.749 0.749 0.749 0.749 0.749 0.749 0.753 0.754 0.755	0.745
0.754 0.749 0.749 0.749 0.749 0.749 0.749 0.754 0.751 0.751 0.751 0.751 0.751 0.751 0.751 0.751 0.753 0.753 0.753 0.753 0.753 0.753 0.753 0.753 0.755	6.747 0.7
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0.754 0.755 0.755 0.756	0.751 0.7
0.755 0.755	700 00100
0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.757 0.757 0.757 0.757 0.757 0.758 0.758 0.758 0.758 0.758 0.758 0.758 0.759 0.750 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.762 0.762 0.762 0.762 0.762 0.762 0.762 0.762 0.762 0.762 0.762 0.763 0.763 0.763 0.763 0.763 0.763 0.763 0.763 0.763 0.763 0.763 0.764 0.764 0.764 0.764 0.765 0.765 0.765 0.765 0.765 0.765 0.765 0.765 0.765 0.765 0.765 0.765 0.765 0.765 0.766	6.755 0.7
0.757 0.757 0.757 0.757 0.757 0.757 0.759 0.758 0.758 0.758 0.759 0.750 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.752 0.753 0.753 0.753 0.753 0.753 0.753 0.753 0.753 0.754 0.754 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.750	0.756 0.7
0.758 0.758 0.758 0.758 0.758 0.758 0.758 0.759 0.750 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.760 0.762 0.762 0.762 0.762 0.762 0.762 0.762 0.762 0.763 0.765	0.757 0.7
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000 E	* * * * * * * * * * * * * * * * * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.671 0.671 0.636 0.691 0.691	0.705 0.709 0.709 0.712 0.715	0.721 0.723 0.725 0.727	0 . 7 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.753 0.753 0.756 0.760 0.764 0.768 0.773	0.808 0.821 0.8835 0.8835 0.8835 0.863 0.892 0.907 0.907
8 • 0 • 0	# # # # # # # # # # # # # # # # # # #	0.624 0.624 0.632		0.705 0.705 0.709 0.712 0.718	0.723 0.723 0.725 0.727	0.731 0.733 0.735 0.739 0.742	0.753 0.755 0.756 0.766 0.768 0.7783 0.783	ONMANNONA
000	# # # # # # # # # # # # # # # # # # #	0 623 0 633 0 652 0 652	0.671 0.679 0.686 0.691	0,701 0,705 0,709 0,712 0,715	0 723 0 723 0 725 0 725	0 731 0 733 0 735 0 735 0 742 0 746	0.753 0.756 0.756 0.764 0.772 0.772	0 808 0 821 0 823 0 863 0 863 0 863 0 892 0 997 0 976
0 0 0 1	0.450 0.508 0.550 0.550		00000	0.705 0.705 0.709 0.712 0.715	0.721 0.723 0.723 0.727		0.749 0.753 0.756 0.760 0.764 0.778 0.773	0.808 0.821 0.835 0.863 0.863 0.863 0.863 0.907 0.907
00? T	0.450 0.568 0.550 0.550			0.701 0.705 0.709 0.712 0.715	0.721	アンファファ	0.753 0.755 0.756 0.760 0.764 0.768 0.768	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
-2.000	01-850 01-8508 01-8550 01-8581	0 50 0 50 0 0 50 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	55555		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
r DEG KZLUG PE	6 4 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2000	00000000000000000000000000000000000000	177,00 187,00 197,00 207,00 227,00		00000000000000000000000000000000000000	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

000	0.00	000000	000000000000000000000000000000000000000	0.028	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.588
000	0.001	0.001	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	0.588
000°	0.001	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0.028 0.028 0.043 0.043	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.588
0 ?	0.001	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.588
0000	000		00000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 588
000	0.001	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.297	0.588
1.000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	538
	0.00.0	00000	000000 00000 000000	000000	00000000000000000000000000000000000000	6 8 9 9 9 9
1.000	0.001	10000000000000000000000000000000000000	00000 00000 00000 00000 00000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.592
2000	0.001			0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		• •
T DEG KALOG DE	0000 0000 0000 0000		00000 W 20000 W 60000 00000 00000	00000 00000 00000 00000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	150000

ATOMIC SPECIES : MG 9

ATOMIC SPECIES : MG10

4. 000	0.302	0.302	0.302	0.303	0.304	0.305	0.306	0.307	0.309	0.311	0.313	0.319	0.327	0.335	0.345	0.355	0.366	0.377	0.388	0.400	0.411	0.466	0.513
0 0 0	0.302	0.302	0.302	0.303	0.304	0.305	0.306	0.307	0.309	0.31.1	0.313	0.319	0.327	0.335	0.345	0.355	0.366	0.377	0.388	0.400	0.411	0.466	0.513
000 10	0.302	0.302	0.302	0.303	0.304	0.305	0.306	0.307	0.309	0.311	0.313	0.319	0.327	0.335	0.345	0.355	0.366	0.377	0.388	0.400	0.411	0.466	0.513
000	0.302	0.302	0.302	0.303	0.304	0.305	0.305	0.307	0.309	0.311	0.313	0.319	0.327	0.335	0.345	0.355	0.366	0.377	0.388	0 - 400	0.411	0.466	0.513
0 0 0 m	0.302	0.332	0.302	0.303	0.304	0.305	0.306	0.307	0.309	0.311	0.313	0.319	0.327	0.335	0.345	0.355	0.356	0.377	0.388	0.400	0.414	0.466	0.513
2.000	0.302	0.302	0.302	0.303	0.304	0.305	0.306	0.307	0.309	0.311	0.313	0.319	0.327	0.335	0.345	0.355	0.366	0.377	0.388	0.400	0.411	0.466	0.513
000	0.302	0.302	0.302	0.303	0.304	0.305	0.306	0.307	0.309	0.311	0.313	0.319	0.327	0.335	0.345	0.355	0.366	0.377	0.388	0.400	0.411	0.456	0.513
0 0 0 1	0.302	0.302	0.302	0.303	0.304	0.305	0.306	0.307	0.309	0.311	0.313	0.319	0.327	0.335	0.345	0.355	0.366	0.377	0.388	0.400	0.411	0.466	0.513
000	0.302	0.302	0.302	0.303	0.304	0.305	0.306	0.307	505.0	0.311	0.313	0.319	0.327	0.335	0.345	0.355	0.366	0.377	0.388	0.400	0.411	0.466	0.514
-2.	0.302	0.302	0.302	0.303	0.304	0.305	0.306	0.307	60.308	0.311	0.313	0.319	0.327	0.335	0.345	0.355	0.366	0.377	0.388	0.400	0.411	0.466	0.514
T DEG K/LOG WE	30000	32000	14000	36000	38000	40000	42000	44000	45000	48000	50000	55000	00009	65000	20000	75000	80000	85000	00006	95000	100000	125000	150000

oEG K/ GG p≥	12.000	0000	0000	000	2.000	3_300	4.000	0 0 In	0000	0 00
3000.	0.763	0.763	1	*****	***	**	*****	****	*	
4000	0.770	9	0.767	• 76	•76	*	*	*	**	***
5000	0.881	•	•	0.773	.77	.77	****	*	*	***
•0009	1.4416	80.	•	.81	•	• 7.7	* *	***	*	***
7000	2.001	ະຕ	•	6	0.842	•	•	* *	*	*
8000.	2.549	0	1.631	• 23	86.	0.861	0.812	• 79	****	***
•0006	8 • 989	2.485		•	• 20	•	•	. 83	**	* * * * * * *
100001	3,348	å	J.	.88	.46	• 14	0.952	• 89	. 82	***
11000.	3,640	3.143	2.656		•72	1.324	1.067	0.969	. 86	***
12000.	3,887	3,388	æ	.40	.93		1.199	0	16.	0.867
13000.	4.098	•	°	9	2,134	1.695	•	.15	96.	0.907
14000.	4.280	.77	6	• 79	31		•	. 25	•00	0.950
15000.	4.438	6			2.469	2.006	1.579	. 43	133	6
16000.	4.578	4.078	3.577	80	5.5	• 12	•	• 53	•	9
17000.	4.702		3.701	21	2,719	•	.80	1.624	• 26	Ç.
18000.	4.813		•	٠	2.832	2.348	•	1.707	E.	et i
19000	4.913	•		• .	2.933		٠	1.784	939	O .
20000	5.003	ŝ	4.002	3.515	0	.53	2.081	8	• 45	1.240
21000.	5.082	4.585	•	•	600	• 62	2.160	Ġ.	55	an .
22000.	5.150	4.659	-	•		€9•	2.233	•	• 56	1.332
23000.	5.220	•		•	3.244	• 74	2,301	•	• 61	1.375
24000.	5.284	4.783	4.291	3.805	3.310	.81	2,337	•	• 66	4
25000.	5.343	•	•	3.856		ထာ ျ	2 • 395	2.137	-	4 5
26000.	5.398	Ø.	•	•	3.414	φ.	2.450	•	52.	1.494
27000.	5.449	46.	٠	3.961	46	2.981	2.500	2.224	1.795	4
28000	5.497	•	•			• ·	7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.		0 0	104.
29000	5.54	•	•	•	0 0	•	7 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	V	•	. נ
30000	5.58G	50.5	•	7 Y	יות יות	•	0000	•	•	1 000
32000.	0000	0000	¥ 000 ×	4.027	0.00 k	• ;	78	2.565	20116	9
	7 C C C C C C C C C C C C C C C C C C C	0 0 0	•	104		֓֞֜֝֝֜֝֝֓֓֓֓֓֓֓֓֓֓֓֓֓֡֝֜֜֓֓֓֓֓֡֓֜֝֓֓֓֡֓֜֝֓֡֓֡֓֡֓֡	2.841	2.614		787
30000	200	0 4 C	40 A			•	9	7.55.0	2.010	000
38000.	0 0 0	מ מים	9 0	•	9	,	4	2.607		87
• 0000	0 0 0 E	0.00 A		•	30		96	2.732		1.908
• 0000	40.086	2 4 4 5 B B B B B B B B B B B B B B B B B	8	4.400	0		00	2.765		46.
46000	6.026	E-525			0	3.549	3.050	2.795	2.352	. 97
48000	6.062	5.562	90.		•		.08	2.822	.38	2.002
50000	960.9	6.596		•			.12	2.848	.40	02
55000.	6.172	5.671	5.171		•	.68	.20	2.904	.46	2.088
00009	6.236		•	4.740	4.244		•27		.51	2, 138
65000.	6.292	5.792		4.800	4.304	881	.33	66.	2.560	2.182
20000	6.341	∞.		4.846	3.34	80	35	• 05	59	2.222
75000.	6.385	-000	•38		39	.83	. 40	. 92	.63	2,256
800008	6.424	On.	42	٠	*	.93	4	6	9	2.287
85000.	6.460	CD.		•	.46	16.	• 48	• 00	• 68	⊣
• 00006	6.492	0	•	4.994	•	.01	.51	0.0	. 82	4
95000.	6.521	6.02I	5.520	5.026	4.530	0	3.550	90	8	0.1
1000001	6.548	0		О.		0.0	ຄວ	60	• 86	38
25000.	9	6.156		5.155		-	3.676	3.212	2.931	2.468
. 00003	6.737	23	5.736	ณ	4.748	25	• 76	9 2 9	•	2.620

AL 2

PTOMIC SPECIES

0.0043 0.005 0.005 0.007 0.101 0.101 0.102 0.202 0.000 0.619 0.676 0.733 0.847 0.961 1.070 1.174 1.272 1.364 1.450 2.068 2.182 2.281 2.369 1.607 7.000 0.564 2.004 2.004 2.0073 2.001 2.001 2.003 2.003 2.003 2.003 2.852 2.936 3.011 3.080 3.142 3.363 6.000 0.005 3.417 3.493 3.563 3.626 3.858 5.000 3.983 4.053 4.116 4.354 4.518 4.000 0.002 0.005 0.010 0.010 0.004 0.062 0.062 0.062 0.051 3.113 3.228 3.334 3.512 3.710 3.868 4.011 4.126 4.235 4.323 3.422 4.548 4.548 4.612 4.846 5.015 3.000 0.002 0.005 0.010 0.010 0.029 0.029 0.020 0.170 0.170 0.276 0.431 0.616 0.616 0.616 0.616 0.616 0.616 0.616 0.616 0.616 0.616 0.616 0.616 0.616 0.627 0.633 0.633 0.633 0.633 0.644 0.644 2.000 0,002 0,005 0,010 0,010 0,030 0,030 0,084 0,155 0,286 0,286 0,286 0,286 0,286 0,286 0,286 0,286 0,286 0,331 1,933 3.983 4.106 4.219 4.322 4.418 4.506 4.699 4.861 5.000 5.120 5.120 5.226 5.319 5.476 5.604 5.604 1.000 0.002 0.005 0.0010 0.0010 0.0013 0.002 0.133 0.285 0.832 0.832 1.445 1.979 2.285 2.622 2.622 2.622 2.622 2.622 2.622 2.622 2.622 2.623 2.633 2.6 4 • • 607 4 • 607 4 • 607 4 • 607 4 • 607 6 • 607 6 • 607 6 • 604 6 • 607 6 • 604 6 • 607 6 • 604 6 • 607 6 • 604 6 • 607 6 0000-0-6.509 0.002 0.019 0.040 0.101 0.258 0.544 0.903 1.270 3.459 3.613 3.756 3.890 4.014 4.131 4.530 4.530 5.506 5.506 5.506 5.506 5.506 5.862 6.001 6.121 6.227 6.320 6.403 -1.000 4.848 6.544 0.005 0.005 0.010 0.023 0.023 0.205 0.205 0.205 0.928 1.353 1.353 2,425 2,712 2,712 3,206 3,206 3,414 3,414 3,416 13,702 4,113 4,257 4,257 4,267 5.348 55.484 55.607 55.607 55.607 55.919 56.906 66.501 66.622 66.727 66.820 66.820 66.820 .105 .344 2.000 •044 6.977 w a DEG </LOG 7000 8000 110000 111000 112000 113000 11500 11500 115000 115000 115000 115000 115000 115000 115000 115000 115000 1 70000 75000 75000 85000 95000 95000 15000 15000 15000

AL 3 ATOMIC SPECIES :

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304 0.304 0.304 0.304 0.305 0.306 0.306 0.306 0.308 0.	
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309 0.308 0.308 312 0.311 0.312 324 0.320 0.313 335 0.340 0.312 481 0.360 0.342 487 0.360 0.342 487 0.392 0.342 593 0.442 0.357 597 0.442 0.378 739 0.515 0.411 0.690 0.378 739 0.515 0.411 0.690 0.378 764 1.012 0.411 0.690 0.411 0.690 0.411 0.690 0.378 764 1.012 0.411 765 1.012 0.690 765 1.161 0.797 765 1.208 1.616 801 2.682 2.189 346 2.682 2.189 764 3.564 2.766 764 3.564 2.766 764 3.564 2.766 765 4.155 3.655 807 4.440 3.655 767 3.940 768 3.761 3.866 769 3.655 769 3.655 760 3.655 760 3.655 761 4.460 3.655	uuuuuuuu 44 UV 000 14 0 V 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
312 0.311 0.312 324 0.313 324 0.326 0.315 0.315 335 335 0.326 0.326 0.332 3419 0.340 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.345 0.357 0.442 0.378 0.515 0.411 0.515 0.411 0.515 0.411 0.515 0.411 0.515 0.411 0.516 0.455	uuuuuu 44 U⊬ 00 01 4 0 ⊬ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
317 0.315 0.315 324 0.320 0.319 335 0.328 0.325 481 0.360 0.332 487 0.360 0.342 597 0.442 0.378 739 0.515 0.411 903 0.612 0.456 261 0.867 0.456 261 0.867 0.456 261 0.867 0.518 208 1.161 0.797 765 1.312 0.797 765 1.312 0.912 801 2.308 1.822 801 2.308 1.822 801 2.97 2.351 497 2.997 2.351 497 2.997 2.531 497 2.997 2.351 498 3.781 3.986 496 4.155 3.655 405 4.164	uuuuu 4 4 U
324 0.320 0.319 335 0.328 0.328 411 0.326 0.332 487 0.340 0.332 597 0.442 0.378 739 0.515 0.411 903 0.612 0.456 261 0.867 0.518 261 0.867 0.518 765 1.161 0.797 765 1.212 0.690 765 1.615 765 1.312 0.912 764 3.264 2.766 765 3.982 2.013 764 3.264 2.766 765 3.987 2.351 764 3.264 2.766 765 4.366 3.655 807 4.440 3.940 765 4.655 4.164 765 4.366 766 3.466 767 768 3.655 807 4.460 4.366	uuuu44 10
339 0.328 0.325 3411 0.340 0.332 4411 0.340 0.332 487 0.342 0.342 597 0.442 0.378 739 0.512 0.411 903 0.612 0.456 0.65 1.012 0.690 439 1.012 0.690 65 1.161 0.797 765 1.312 0.912 005 1.853 1.852 000 2.503 1.852 000 2.503 1.852 000 2.503 2.013 181 2.305 1.822 000 2.503 2.013 181 2.305 1.822 000 2.503 1.822 000 2.503 1.822 000 2.503 1.822 000 2.503 1.656 000 2.682 2.189 000 2.997 2.351 000 2.997 2.351 000 0.797	wwa4wvood4wvow0o→w40vo
365 0.340 0.332 411 0.360 0.342 597 0.392 0.342 739 0.515 0.378 261 0.612 0.456 605 1.161 0.518 765 1.312 0.596 765 1.312 0.596 801 2.305 1.154 801 2.305 1.822 800 2.503 2.013 181 2.503 2.013 181 2.503 2.013 764 3.264 2.633 764 3.264 2.766 764 3.545 3.046 765 4.155 3.655 807 4.440 3.656 767 4.307 3.806 768 3.666 4.164 769 3.666 4.164 760 3.761 3.761 761 4.867 4.260 762 4.164 4.260	w 4 4 0 ≥ 0 0 0 0 4 0 ≥ 0 0 0 0 0 0 0 0 0
411 0.360 0.342 487 0.392 0.357 597 0.442 0.378 593 0.615 0.451 261 0.867 0.596 439 1.012 0.596 605 1.161 0.690 605 1.261 0.690 605 1.261 0.690 605 1.851 1.396 801 2.305 1.822 800 2.682 2.189 346 2.847 2.351 636 3.136 2.638 636 3.264 2.766 656 4.155 3.655 656 4.155 3.655 657 4.260 637 4.260 637 4.260	4 4 N V Q O C I 4 7 V O W D D O H W 4 7 V O
487 0.392 0.357 597 0.392 0.357 597 0.442 0.378 598 0.612 0.456 598 598 598 598 598 598 598 598 598 598	4 N F Q O O O O O O O O O O O O O O O
597 0.442 0.378 939 0.515 0.411 2080 0.515 0.411 261 0.867 0.518 439 1.012 0.596 605 1.161 0.797 765 1.312 0.912 801 2.305 1.396 337 1.851 1.396 581 2.088 1.616 581 2.305 1.854 346 2.847 2.351 482 3.364 2.766 636 3.136 2.638 764 3.526 2.189 807 4.455 3.655 807 4.440 3.940 656 4.655 4.164 657 4.857 3.806 658 4.665 4.164	n v a o si 4 a v o u u a o → u 4 a v o s
739 0.515 0.411 903 0.515 0.411 903 0.612 0.455 2080 0.731 0.518 605 1.012 0.590 765 1.312 0.912 801 2.088 1.616 801 2.088 1.616 801 2.503 2.013 346 2.847 2.351 8497 2.997 2.531 846 3.545 3.046 867 4.155 3.655 807 4.440 3.940 865 4.665 4.164 867 4.865 4.668	O D = = = = = = g g g g g m m m m m m m 4 - = = = = = = = = = = = = = = = = = =
903 0.612 0.455 .080 0.731 0.518 .439 1.012 0.596 .605 1.161 0.797 .765 1.312 0.912 .801 2.088 1.852 .801 2.887 1.616 .801 2.682 2.189 .346 2.847 2.351 .497 2.997 2.531 .497 2.997 2.531 .497 3.264 2.766 .045 3.781 3.281 .482 3.982 3.482 .656 4.155 3.655 .807 4.440 3.940 .659 4.559 4.164 .261 4.760 4.366	000/4/02/04/000-44/02/0/
261 0.731 0.518 261 0.867 0.596 605 1.012 0.596 376 1.312 0.912 377 1.851 1.396 581 2.088 1.616 801 2.503 1.616 346 2.847 2.351 497 2.997 2.351 482 3.564 2.766 3.656 4.155 3.655 807 4.307 3.806 941 4.440 3.940 347 4.847 4.366	0
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	1.000	0000	000	0 002	0 015	990 0	0 216	0 495	0 851	1 219	1 570	1 893	3 145	3 991
	0 0 0 I	000.0	0.001	0.008	0.045	0.183	0.483	0.888	1.307	1.701	2.062	2,389	3.645	4.491
	0000	00000	0.003	0.024	0.129	0.424	0.872	1.347	1.792	2.196	2.559	2.888	4.145	4.991
AL 4	-2	100.0	600.0	0.020	0.321	0.795	1.330	1.834	2.287	2.694	3.059	3,388	4.646	5.491
ATOMIC SPECIES : AL	T DEG K/LOG DE	50000	55000	00009	65000	70000	75000	80000	85000	00005	95000	100000	125000	150000

ATOMIC SPECIES : AL 5

T DEG KALDG PE	-2.000	1.000	0000	1 000	8.000	000 5	4 000 0	9000	0 0 0 •	7.000°F
300e	0.642	•64	•64	*	*	*	**	* :	* 1	*
4 000000000000000000000000000000000000	0.661	0.661	0.661	0.661	0.661	**** 0 676	*****	*******	***	***
0009	0.688	.68	•68	.68	99	53	*	*	**	*
2000	0.698	69	69.	9	69	0 598	0 698	***	***	****
	0.712	2 7		0.712	0.712	7	- 2	71.	*	*
0000	0.718	7	-7 E	.71	.71	7.3	_	.71	7.1	*
11,000	0.722	.72	.42	.72	.72	72	72	72	72	*
12000	01726	.72	•72	• 72	72	72	72	OI :	72	~
13000 13000	0.730	73	.73	• 73	e73	1 33	73	73	73	0.730
900e	0.733	 		 		7.3	0 P	0 M	0 6	0.735
	0.738	- ~	. ~	0.738	0.738	0.738	0 738	. ~	73	73
12000	0.740	.74	.74	.74	.74	74	74	• 74	e 2	74
18,00	0.742	.74	174	.74	•74	74	74	*74	74	0.742
19000	0.744	.74	•74	• 74	•74	7	_	47.	74	74
20,00	0.745	.74	• 74	• 74	47.	_		• 74	7.	~ 1
21000	0.747	47	0.747	• 74 • 74		<u> </u>	0 747	0.747	74	4 4
23 00	0.749	420	47.	47.	• 7 ¢	_		7.4	74	7
24 00	0.750	.75	75	. 75		7	. `	.75	75	75
25,00	0.751	.75	.75	.75		7		. 75	75	75
26,00	0.752		.7	7	۲.	7	_	75	75	~
27,00	0.753	•75	.75	.75	٠,	_	_	• 75	75	r 1
28,00	0.754	-	0.754	.75	• 75 1 15	<u>-</u> ^	_ ^	75	5 1	~ ^
29000	0.755	5	- 1	ָ נְּיָ	0,0	• 1	- 1	U 1	ביי מי	- 1
0000 000 000 000 000 000 000 000 000 0	0.757	0.750	0.757	0.757	0.757	0=752	0 757	0.757	0 757	- [-
34000	0.758	.75	1	.75	•75		-	• 75	75	~
36000	0.759	.75	2.	• 75	52 •	_	-	. 75	• 75	0.759
38000	0.760	•76	•76	• 76	.76	0=760	-	• 76	• 76	~
00004	0.761		2	~	7	_	_	0.761	• 76	0.761
42000	0.762	97.	,	• 76 7.	76	0=762		100	100	
00044	707. 0.47.	9 6	707.0		7.0	`		76	.763	0.763
48000	0.764	.76		• 76	.76	_		• 76	.764	· •
20000	0.764	.76	• 76	.76	•76	7	^	.76	• 76	0.764
55000	992.0	.76	.76	• 76	• 76	7	_	• 766	• 76	~
€00009	0.767	.76	370	• 76	• 76	-	_	• 76	192	0.767
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90000	0.00	. 0		77.	.77		- ^	. 77	7.	0.770
85000	1.182	46	83	.79	.7.7	7	-	• 77	177	0,770
00006	1.564	9.19	Q.	.83	.79	_	^	0.772	177	0, 771
95000	•	.53	21.	• 94	.83	7	<u>-</u>	• 77	`-	0,772
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T DEG K/LOG PE	-2.000	-1.000	000.0-	1.000	2.000	3.000	4.000	2.000	000-9	7 000
12000	0.603	0.603	0.603	0.603	99	9.09	0.603	.50	.60	0 603
13000	9	0.603	0.603	0	0.603		.60	0.603	0.603	. 0 603
14000	9.604	0.604		o	0.604	.60	.60	0.604	0.604	0 604
15000	0.605	0.605	0.605	0.605	09.	.60	0.605	• 60	.60	0 605
15000	0.607	0.607	0.607	0.607	0.607	.60	.60		99	0=607
17000	609.0	609.0	609*0	609.0	609.0		9.60	609.0	.60	609=0
18000	0.611	୍ଦ	0.611	0.611	0.611	•	.61	.61	• 61	3
19000	0.613	0.613	0.613	0.613	0.613	•	0.613	.61	.61	5
20000	0.616	19.	19	0.616	6.1	0.616	0.616	0.616	0.616	0 616
21000	0.620	62		0.620	.62	•	0.620	0.520	0.620	8
22000	0.623	62	.62	0.623	.62		0.623	0.623	0.623	0 623
23000	0.628	0.628		62		•	0.628	0.628	0.628	3
24000	0.632	0.632	0.632	0.632			0.632	0.632	0.632	0 632
25000	0.637		0.637	0.637	0.637	0.637	0.637	0.637	0.637	0=637
26000	0.642	0.642	0.642	0.642		۰	0.642	0.642	0.642	0=642
27000	0.647	0.647	0.647	0.647		٠	0.647	0.647	0.647	0 647
28000	0.652	0.652	0.652	0.652	÷		0.652	0.652	0.652	0 652
29000	0.658	0.658	0.658	0.658	0.658	0.658	0.658	0.658	0.658	0 658
3000	0.664	0.664	0.664	0.664	9	0.654	0.664	0.664	0.664	0 664
32000	0.676	0.676	0.676	0.676	0.676	0.676	0.676	0.676	0.676	0 676
34000	0.689	0.689	0.689	0.689	0.689	0.539	0.689	0.689	0.689	0 689
36000	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0 701
38000	0.714	0.714	0.714	0.714	0.714	0.714	0.714	0.714	0.714	0=714
40000	0.727	0.727	0.727	0.727	.72	0.727	0.727	0.727	0.727	0=727
42000	0.740	0.740	0.740	0.740	0.740	0.740	0.740	0.740	0.740	7.4
44000	0.753	7	0.753	0.753	0.753	0.753	0.753	0.753	0.753	75
46,000	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0 765
48000	0.777	0.777	0.777	0.777	0.777	0.777	0.777	0.777	0.777	7
50000	0.789	0.789	0.789	0.789	0.789	0.789	0.789	0.789	682.0	0 789
55000	0.818	0.818	0.818	0.818	0.818	.81	0.818	0.818	0.818	93
60000	0.844	0.844	0.844	0.844	0.844		0.844	0.844	0.844	4
65000	9.869	0.869	0.869	0.869	0.869		•	0.869	0.869	698 =0
20000	0.892	•	0.892			•	0.892	0.892	0.892	0=892
75000=	0.913	0.913	0.913	0,913	0.913	0.913	0.913	0.913	0.913	0=913
80000	0.933	6.933	0.933	0.933	•	٠	0.933	0.933	0.933	0 933
85000	0.951	0.951	0.951	0.951	0.951	0.951	0.951	0.951	0.951	0 951
00006	9969	0.968	0.968	0,968	96.	96.	0.968	ċ	0.968	0 968
95000	0.985	0.985	0.985	0.985	0.985	Q.	0.985	0.98	0.985	0 985
100000	100.1	1.000	1.000	1.000	000	00.	1.000	1.00	0	000
125000	1.274	1.143	1.092	1.075	•	1.067	1.067	1.056	1.066	1 066
150000	2.536	2.071	1.665	1.373	1.217	1.153	1.131	1.12	1.121	1 120

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2.000	***	•	•	•	•	•	•	•	. ,			•	•	•				•	•	•	•	*	80000	,		•	•	•	•		•	• •				•	٠			1.071		6	•10	1.149	61.			
1.000	****	0.523		•			•	•	•	, ,		-	4	•		• (•				0.908			•	•		•					•				1.040	•	1.001	•	1.091	9	1.149	O			
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T DEG LOG PE</td <td></td> <td>8</td> <td>8</td> <td>0</td> <td>0</td> <td>O</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>g</td> <td>Q</td> <td>g :</td> <td>2</td> <td>2 6</td> <td>20</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2700</td> <td>~_</td> <td>0</td> <td>0</td> <td>0</td> <td>ò</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2 0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>~_</td> <td>0</td> <td>O_</td> <td>ō</td> <td>000</td> <td>125000</td> <td></td> <td>0 (</td> <td>o .</td> <td>~</td>		8	8	0	0	O	0	0	0	0	0	0	g	Q	g :	2	2 6	20	0	0	0	0	2700	~_	0	0	0	ò	0	0	0	0	2 0	0	0	0	0	0	~_	0	O_	ō	000	125000		0 (o .	~

7.000

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0.626

0.636 0.645 0.653 0.661 0.667

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0.714 0.718 0.726 0.726 0.737 0.737 0.744 0.744 0.746 0.762

ATOMIC SPECIES : AL10

<th>12 000</th> <th>1 • 000</th> <th>000.0-</th> <th>1.000</th> <th>2.000</th> <th>000 €</th> <th>000 4</th> <th>5.000</th> <th>6.000</th> <th>000</th>	12 000	1 • 000	000.0-	1.000	2.000	000 €	000 4	5.000	6.000	000
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ATOMIC SPECIES

****** ****** 1.078 1.966 2.025 2.080 2.130 2.177 2.220 2.373 1.106 1.150 1.191 1.236 1.286 1.339 1.394 1.505 1.559 1.612 1.664 1.713 1.809 1.852 1.794 1.832 1.899 2.442 2.000 **** **** ***** 1.075 .146 .196 .255 .361 .438 .748 2.989 3.055 3.162 *** ***** **** 2.877 00009 3,456 2.911 1.022 2.078 2.166 2.248 2.323 2.393 2.458 2.518 2.518 2.514 2.795 2.998 3.063 ***** 3.122 3.176 3.224 3.267 3.307 3.344 3.515 3.515 3.515 3.515 3.515 3.513 3.718 3.718 1.117 1.182 1.266 1.421 1.540 1.658 1.882 1.983 ***** **** 5.000 1.007 1.025 1.025 1.165 1.165 1.383 4.205 4.240 4.359 ****** **** 1.671 *** 0000 3.133 3.2211 3.2284 3.352 3.475 3.629 3.629 3.774 3.848 3.916 3.977 4.034 2.651 2.769 2.877 2.977 3.049 4.117 4.262 4.347 4.459 4.459 4.527 4.527 4.524 000 4.086 1.689 **** 1.667 3.244 3.354 3.455 3.547 4.271 4.345 4.413 4.475 4.520 4 · 5 7 2 4 · 5 7 2 4 · 6 2 1 4 · 6 2 1 4 · 6 2 1 4 · 6 2 1 4 · 6 2 1 5 · 6 2 2 5 · 6 2 2 6 · 7 3 4 5.192 5.228 5.359 5.453 2.000 3.137 000 0.936 0.957 0.999 0.990 0.990 0.990 0.990 0.990 0.990 0.990 0.990 0.990 0.990 4 .116 4 .235 4 .235 4 .352 4 .532 4 .632 4 .632 4 .641 6 .615 6 5.012 5.055 5.055 5.055 5.055 6.017 6.065 6.108 6.147 6.183 6.216 6.346 6.441 5.515 00 3 0 1 0.936 0.957 0.957 1.013 1.1013 1.1.000 6.517 6.565 6.669 6.648 6.684 6.717 6.847 0.936 0.957 0.957 1.054 1.054 2.655 2.655 3.038 3.427 3.757 4.279 4.279 4.279 4.279 4.279 5.341 5.341 5.341 5.341 5.323 5.523 5.664 5.664 5.943 5.943 5.943 5.943 6.097 6.097 6.186 6.266 6.613 6.656 6.832 6.902 6.904 7.018 7.006 7.109 .184 .217 .348 -2.000 ď. 1.06 20000 21000 22000 23000 24000 34000 30 00 50 00 60 00 70 00 90 00 11 10 00 12 00 00 11 50 00 15 00 00 16 00 00 17 00 00 18 00 00 19 00 00 10 00 25000 25000 27000 28000 29000 40000. 42000. 44000. 48000 50000 550000 60000 85000 00056 125000 38000 0000 75000 80000 00006 30000 46000 H

T 08G <th>2. 000 • 3.</th> <th>000</th> <th>0000</th> <th>1.000</th> <th>2.000</th> <th>000 E</th> <th>000 4</th> <th>000 S</th> <th>000.9</th> <th>7•000</th>	2. 000 • 3.	000	0000	1.000	2.000	000 E	000 4	000 S	000.9	7 •000
0000	0.739	0.739	0.739	****	***	*****	****	***	****	****
0000	0.748	.74		0.748	0.748	*****	****	***	***	*****
0000	0.754	.75	0.754	0.754	.75	0.754	*****	****	****	****
0009	0.758	0.758	0.758	0.758	0.758	0.758	****	****	****	****
7000	0.761	0.761	0.761		0.761	0.761		* *	****	****
8000	0.764	0.764	0.764	0.764	0.764	0.764	• 76	۲,	***	* * * * * * * * * * * * * * * * * * * *
■ 0006	0.767	0.766	0.766	٠	0.766	• 76	0.766	• 76	* 1	****
10000	0.776	0.770	0.769	•	0.768	0.768	0.768	•	• 76	****
1,1000	0.815	0.785	912.0	•	0.771	0.771	0.771	0.771	0.771	*
12000	0.939	0.833	0.793	0.780	0.776	0.774	•77	.77	.77	0.774
13000	1.195	0.957	0.843	0.799	0.785	0.780	• 77		• 77	0.777
14000	1.539	1.178	0.949	0.842	0.802	0.789	0.784	•	.78	0.782
15000	1.897	1.464		0.926	0.837	0.804	0.793	~	• 78	0.788
16000	2.235	1.768		1.059	0.898	0.829	0.806	.79	79	0.794
17000	2.543	2.060	1.608	1.234	0.992	0.872	0.825	8	.80	0.802
18000	2.821	2.330	1.857		1,113	0.934	0.852	0.824	8	
19000	3.072	2.577	2.092	1.639	1.262	1.014	0.892	• 84	85	0.822
20000	3.298	2.802	٠		1.423	1.117	0.944	86	• 84 4	0.835
21000	3.502	3.006	2.512	2.031	1.587	1.236	1.009	0.902	.86	
22000	3.682	3.1.93	2.698	2.210	1.749		1.087	0.944	0.883	•
23000	3.854	•	2,868	2.377	1.904	•		0.992	00	0.884
24500	4.013	3.513	3.024	2,531	2.051	1.616	1.260	1.040	60	0.904
25000	4.159	3.659	3.164	2.675	2.190	1.743	1.358	1.100	97	0.927
26000	4.294	3.794	3.295	2.807	2.319	1 • 865	1.455	1.165	0	0.951
27,00	4.419	3.919	3.420	2.928	2.441	1.972	1 • 555	1 • 234	1.052	0.978
28000	4.536	4.036	3,536	3.038	2.554	2.083	1.652	1 • 305		1.006
29000	4.645	4.145	3.645	3.147	2.659	2,187	1.746	1.378	•	1.035
30000	4.747	4.247	3.747	3.248	2.755	2.286	1.836	1.450	1.191	1.067
32000	4.933		3,933	3.433	2.936	2.465	1.994	1 • 593	1.292	1.131
34000	2.097	4.597	4.097	3.597	3.099	2.610	2.149	1.729	1.394	1.199
36000	5.244	4.744	4.244	3.744	3.245	2,758	2.287	1.841	1.496	1.267
38000	5.376	4.876	4.376	3.876	3.377	2.891	2.408	1.960	1.575	1.334
40000	5.496	4.996	4.495	3,995	3.496	3.012	2.526	2.071	1.668	1.400
42000	5.604	•	4.604	4.104	3.604	3,113	2.622	2.164	1.757	1.464
44000	5.704	£.203	4 • 7 03	4.203	3.703	3,214	2.721	2.255	1.841	1.526
46000	5.795	5.294	4.794	4.294	3.794	3,306	2.812	2.343	1.920	1.585
48000	5.878	5.378	4.678	4.378	3.878	3,383	2.897	2.425	66	1.641
₽00a0s	5.956	4.56	4.955	4 4 55	3.955	3.462	2.975	2.501	9	1.694
55000 =	6.126	5.626	5.126	4.025	4.128	3.637	3.135	מ	7	1.903
₩ 00009	6.270	5.770	5.269	٠	4.269	3.776	3.283	2.795	• 34	2.012
€5000 ■	6.393	E 883	5.392	٠	4.391	3.903	3.409	2.919	45	2.105
70000	6.499	666.3	5.499	4.998		4.005	3.506	3.028	5.54	2, 186
75000	6.593	6.093	5.592	5.092	4.591	4.131	3.603	3.106	• 63	2,258
80000	6.675	•	5.675		4.674	4.179	3.688	3.190	2.717	2, 322
85000	6.749	6.249	5.749	5.248	4.747	4.256	3,765	• 26	• 79	2,379
00006	6.815	.31	5.815	5.314	4.814	4.325	3.822	3.334	2.857	
95000	6.875	6.375		• 37	4.874	4.380	3.884	• 39	.91	47
1000001	6.930	442	92	5.429	6	• 43	6	. 45	~	2,519
125000	7.143	•64	7		5.141	S	7	3.658	• 16	2.793
150000	7.292	6.792	6.292	5.791	5.291	4.797	4 • 301	.80	3.322	•

T DEG K/LOG PE	2 000	1.000	0 0 0	1 000 000	8.000	0 0 m	0000	0 0 0 a	000	2000
0006	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	***	***
00001	0.002	0	0.002	0.002	0.002	000	0.002	0	0	***
11000	0.004	•	0.004	0.004	0.004	0.004	00.	0.004	0.004	***
12000	0.007	000	200.0	0.007	0.007	200.0	0	00.	00.	٠
13000	0.011	0		0.011			0.	.01	.01	0.011
14000	0.017	210.0	0.017	0.017		0	0.017	10	.01	0.017
15000	0.025	0.2	.02	• 02	.02	02	• 02	0	• 02	0.024
16000	0.035	0	0.033	0.033	0.033	0	0.033	0.033	• 03	0.033
1 7900	0.051	40	0.0	9	40.	40	• 04	40.	• 04	0.044
18000	0.082	90	.05		•05	.05	• 05	0.5	• 05	0.055
00061	0.146	0.085	0.077	0.071	0.000		90	0.069	0.069	0.069
20000	0.269	7	.10	0	80.	0.084	• 08	• 08	.08	0.083
21000	0.465	0.251		. 11	0.104	0.100	0	On .	0.099	0.099
	0.714	0.408	0.230	0.155		. 1	• 1.1	. 1	-	0.115
23000	0.995	0.611	0.348	0.213	7	4	m	0.133	0.133	0.132
24000	1.279	0.844	0.508	0.297	0.202	• 15	• 15	• 15	.15	0.150
25000	1.554	1,001	002.0	0.413	0.261	• 20	~	~	. 17	0.169
26000	1.814	1.336	0.898	0.556	0.340	0.242	0.206	• 13	. 18	8
27000	2.058	57	1.110	0.722	0.441	0	• 23	- 21	.21	0.208
28000	2.287	•	1.319	006.0	0.562		0.275	. 24	•23	22
29000	2.501	0	1.522	1.076	0.698	0.444	0.319	23		0.249
30000	2.701	.20	1.715	1.247	0.845	S	•37	0.303	0.278	0.270
3.2000	3.066	.56	2.072	1.588	• 14	• 76	.5	38	.33	
34000	3,389	.88	2.392	1.900	1.428	1.008	.67	848	0.394	0.363
36000	3.677	3.177	2.678	2,183	1.697	4	• 86	• 60	4	
38000	3.935	4.43	2.936	2.438	1.947	1.477	~	.74	ល	
40000	4.168	3.668	3.168	2.670	.17	£9.	• 26	æ	•	0.537
42000	4.379	.87	3.379	2,880	2.384	1 • 895	4	• 05	•	
44000	4.572	.03	3+572	3.072	2.574	2.083	1.618	• 20	Ø	0.684
46000	4.748	24	3.748	3.248	2.750	2.255	1.784	.34	6	0.765
48000	4.910	4.410	.91	3.410	2.911	4	46.	4	•	
50000	5.059	4.559	S	3.559	90.	. 55	• 07	• 62	22	0.937
55000	5.387	88	4.386	3.886	•38	Ø	4	92	1.496	1.155
00009	5.661	5.161	4.661	4.160	99.	• 16	•67	.18	1.741	1,352
65000	5.895	.39	4.894	4.394	3.894	'n	0	2.416	1.959	54
10000	960.9	5.596	5.096	4 • 595	4.095	• 59	• 10	• 61	2,137	•
15000	6.272	5.771	5.271	4.771	4.271	3.770	3.281			1.870
80000	6.426	5,926	5.426	4.925	4.425	• 92	43	6	2.461	2,013
85000	6.563	90	.56	5.063		4.062	.57	000	2.597	2.142
00005	6.686		5.686	5.185	4.685	• 18	69.	0	2.720	23
	962.9	6.296	5.796	5.296	4.795	O	œ	. 30	.81	m
100000	6.896	6.396	5 • 896	5,395	4.895	4.395	0	0	6.	2.441
125000	7.282	•	6.282	5.781	5.281	4.780		. 78	3.291	2,822
150000,	7.546	7.046	6.546	6.046	5.545	5.045	4.551	4.052	• 26	9

2. 000	0.302	•	0.307	•	•	0.316				0.329		•	٠		٠	i.	0.387		0.417	0.435	0.456	0.481	•	. 60	•		1.056		1.392	1,533		•		•	2.755
0000	0.302	30	0.307	• 30	E .	7 10	33	32	.32	32	(A)	.33	34	35	36	37	•39	.40	.43	.45	.49	533	58	• 76	97	. 20	. 41	•62	81	.97	• 13	.27	0	90	3.239
0000	0.302	30	J.W	0.30	0.31		0.31	0.32	0.32	0.32	0.33	0.33	0.34	0 35	0.35	0.38	0.40	0.43	0.46	0.52	.58	. 57	9.	•0•	.33	• 61	98	• 08	28	• 46	19.	• 76	2.894	• 39	-73
0 0 0	0.302	300	900		•	0.316		•	0.326	•	•	•	•	•	•	•		•	•	•	٠		•			•						•	3,381		
000 m	0.302	400.0		•	•	• (• •	•	•			٠	•	٠		٠	ព			Ç.	.13	• 32	1.498	6.00	•	υ.	.83	• 0.6	2	44.	• 60	• 75	*88		N
0000	0.302	9	0.305	•30	31	5	0.319	50 50	0.326	0.331	E,	'n	3	939	4	0.565		0.924	7	•36	.57	1.778	1.970	39	-	90.	•33	•	-	9 6	01.	.25		4.884	22
000	0 302	30	0=305	0 309	E	0 313	319	177	n	n	0 345	m	m	•	vo	0 812	1 062	1=325	1=582	1 825	2 053	2 264	2 461	2 892	3 255	3 563	3∎829	4=061	4=264	44	60	75	4 881	38	72
0000	0.302	000	0.305	3	3.	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	e el	.32	0.334	m		4	0.455	9.	æ		4.	7	•06	Ϋ́	ୃଦ୍	2.760	Ů,	E.		9	ů	4.561	7.		بن م 0	25.55	5.381	88	22
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.065 1.065 1.065 1.065 1.065 1.055 1.065 1.065 1.065 1.065 1.0 .074 1.074 1.074 1.074 1.074 1.074 1.074 1.074 1.074 1.07 .120 1.120 1.120 1.120 1.120 1.120 1.120 1.120 1.120 1.13		0	•	000	• 05	0	05	0.5	S	0
.074 1.074 1.074 1.074 1.074 1.074 1.074 1.074 1.074 1.074 1.0 .120 1.120 1.120 1.120 1.120 1.120 1.120 1.120 1.120 1.120	1.065	0	• 06	90.	• 00	Ô	90	9	90	0
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ATOMIC SPECIES : Salo

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.539 0.5 .557 0.5 .585 0.5 .597 0.5
5072 5085 507 607 607 608 608 608 608 608 608 608 608 608 608
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.585 .597 .607 .607
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0.607 0.00
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0.00 HCA
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	000	00	101	101	102	00	104	900	701	110	13	717	121	125	33	157	777	66(22	47	73	66	224	250	371	176
••••••	^	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0000	0.001	0.001	0.001	0.002	0.002	0.004	0.005	0.007	0.010	0.013	0.017	0.021	0.025	0.039	0.057	0.077	0.099	0.122	0.147	0.173	0.199	0.224	0.250	0.371	0.476
	0 0 10	100.0	0.001	0.001	0.002	0.002	0.004	0.005	0.007	0.010	0.013	0.017	0.021	0.025	0.039	150.0	0.077	0.099	0.122	0.147	0.173	0.199	0.224	0.250	0.371	0.476
	000	0.001	100.0	100.0	0.002	0.002	40000	©00°0	20000	0.010	0.013	0.017	0.021	0.025	6.039	0.057	22000	66090	0 122	0 147	0 173	661 0	0 224	0 250	0 371	0 476
	0 0 m	0.001	0.001	0.001	0.002	0.002	0.004	0.005	0.007	0.010	0.013	0.017	0.021	0.025	0.039	0.057	0.077	660.0	0.122	0.147	0.173	0.199	0.224	0.250	0.371	0.476
	000 000 000	0.001	0.001	0.001	0.002	0.002	400 •0	900.0	100.0	0.010	0.013	0-017	0.021	0.025	0.039	0.057	0.077	660.0	0.122	0.147	0.173	0.199	0.224	0.250	0.371	0.476
	000	100.0	0.001	100.0	0.002	0.002	400.0	900.0	2000	0.000	0.013	210.0	0.021	0.025	6.039	0.057	720.0	650.0	0.122	0 - 1 4 7	0-173	0.199	0.224	0.250	0.371	0*476
	0 ? 0	0.001	0.001	0.001	0.002	0.005	40000	90000	20000	0.010	0.013	0.017	0.021	0.025	0.039	0.057	0.077	660.0	0.122	0.147	0.173	0.199	0.224	0.250	0.371	0.476
	000	0.001	0.001	0.001	0.002	0.002	0.004	0.005	0.007	0.010	0.013	210.0	0.021	0.025	560.0	0.057	0.077	660.0	0.122	0.147	0.173	0.199	0.234	0.250	0.371	0.476
111	000 N	0.001	00.001	0.001	0.002	0.002	0.004	0.005	0.007	0.010	0.013	0.017	0.021		0.039	0.057		660.0	0.122					0.250	0.371	0.476
PTOMI< ECIES : SII	T OSG KALOG DE	0000	00000	• 00000m	32000	# # B B B B B B B B B B B B B B B B B B	*0009m	38300	40000	42000	44000	46000	4 80000 • 0000	50000	, 000 cm	900009	*000g9	70000	75000	*00008	85000	•00006	95000	100000	125000	150000

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ATOMIC SPECIES : AR 1

T 066 K M 06 06	6 6 1	•	0			6	4	1	B	7.000
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80.00	0.001	00	0.000	00	00.	00.	00000		***	**
*0006	0.008	0.003	0.001	000 * 0	00000	000.0	00000		+ 00	*****
10000	0.063	.02	9	•	• 00	000.0	00000			***
11000.	0.272	₹.	•	0.012	0.004	0.001	000	0.00	00	
12000.		0.332	0.134	0.048	0.016	0.005	90000	0.002	00	0.001
13000		9	0.347	•	• 05	0.018	0.016	0.008	0	0.002
14000	1.552	O	•	0.329	0.133	\ - - - - -	0.040	0.019	00	0.004
1 5000	1.938	4	•	•	0.274	0.209	0.083	0.040	.01	0.009
16000	4.280	1.784	•	•	0.468	0.356	0.152	0.075	.02	0.016
1 2000	2.00 4.00 4.00 4.00	2.086	1.592	•	0.00	0.528	0.252	0.127	40	0.028
00001	0000	000	٠.		1.146	7	0.380	0.197	0.071	0.046
20000	ייי כ	7 C	1010	1001	m	006.0	•	0.285	0.108	S
21000	2.7.70	0 TO - E	415.0	0.00	1.538	1.080	٠	0.386	.15	0.078
20000	009	000.00	017.6	502	1.718	1,251	•	0.496		0.110
23000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 4 5 E	9-8-6	2.377	1.884	1,393	•	0.609	0.284	0.148
24000	900	0 C	200.4	2.531	•	1.542	1.075	0.722	•	0.193
25000	-	# CE (9 · F)	, 60 kg	2.664	2.179	1.682	1.207	0.832	0.512	0.243
26000		4 4 6 6 6	3.280	2.795	2.298	•	1.331	0.939		0.297
27000	! 4	000	4	2.914	2.420	•	1.448	1.041	0.687	0.357
28000	4.516	0.4	3.514	3.022	2,534	2.046	• 20	1.138	•	0.417
29000	4-621	4.120	3,620	3.129	3	2.152	99.	1.230	0.854	0.479
30000	4.720	4.219	3.718	3.230	2,733	2,252	• 76	1,317		0.542
32000	4.899	4.398	Ø	3.403	2.911	2.430	60.	1.594	1.084	
34000	5.0.0	4.558	4.057	3.566	3.073	2.564	2.098	1.738	1.221	
36000	5,200	4.700	4.199	3.711	3,205	2.708	2	1.866	1.345	ċ
38000	5.328	4.828	4.327	3,833	3,336	2.938	2,359	1.982	1.459	
40000	5.444	4.943	4.442	3,951		95	2.476	2,086	1.562	
42000	5.549	5.048	4.548	4.059	3.562	90	2.557	2.180	1.657	
44000	5.645	5.144	4.644	4.149	3.648	• 15	2.655	2.266	1.743	
46000	6.733	5.232	4.732	4.239	3.738	.25	٠	2,345	1.822	1.34
48000	5.814	5.314	4.813	4.322	3.821	3,318	2.827	2.418	1.894	-
50000	9.889	5,389	4.888	4.391	3.899	30	•	2.485	1.960	1.478
\$5000.	6.054	5.554	5.053	4.561	4.057	• 56	• 07	2.632	-	1.624
•00009	6.193	5,693	5.192	4.697	4.200	0		2.755	53	2.049
65000.	6.313	5.815	5.311	4.820	4.324	3,831	•	2.859	400	2,152
70000	6.416	5.915	5.415	•	4.	3.921	3.421	3.070	2.439	2.242
75000.	6.506	6.006	5.505	5.014	.51	4.015	•	0	. 52	2,320
80000	6.587	6.086	ŝ		4.597	4.098	•	60	7	2, 221
85000.	6.658	6.158	5.657	7	•66			• 16	٠	2,283
•00006	6.722	6.222	5.721	5.224	4.728	4.240	• 73	2	.83	9
•00056	6.781	ø		٠	.78	85	.80	ů.	2.882	2, 389
100000	6.834	M	83	4	80	Ø.	8.00	35	6	4
125000.	7.041	6.540	6.040	٠	IO I	4.544	4.051	•	01	2.011
150000.	7.186	œ	6.185	5.684	6	4.699	4.206	0	• 34	S

ATOMIC SPECIES : AR 2

T OEG DEGG DE	12.000	0000	0 0 0 0	1 • 000	2.000	000 m	000	0 0 10	6 000	0000
3000	669.0	0.699	0.699	****	****	****	****	****	****	****
4000	0.715	0.715		0	0.715	****	***	* 1 * * * * * *	*****	****
2000	0.726	0.726	0.726		0.726		****	***	***	*****
0009	0.734	C.734	0.734	0.734	~	0.734	****	****	****	****
7000	0.739	0.739	0.739	0.739	622.0	0.739	0.739	***	***	***
8000	0.744	0.744	0.744	0.744	0.744		0.744	0.744	***	***
,0006	0.747	0.747	0.747	0.747		4	.0.747	0.747	*	****
100001	0.750	0	0.750	0.750	0.750	0.750	0.750	0.750	0.750	****
100011	0.753	0	0.753	0.753	0.753	0.753	0.753	0.753	0.753	****
75000	0.755	0.7	952.0	0.755	0.755	0.755	0.755	0.755	0.755	0.755
13000	0.757	0.7	0.756	0.756	0.756	0.756	0.756	0.756	0.756	0.756
14000	0.761	0	0.758	0.758	0.758	0.758	0.758	0.758	0.758	0.758
15000	0.772	0	0.760	0.760	0.759	0.759	0.759	0.759	0.759	0.759
16000	0.810	0	0.765	0.762	192.0	0.760	0.760	0.760	0.760	0.760
17000.	906.0	0	0.778	0.767	0.763	0.762	0.762	0.761	0.761	0.761
18000	101-1		0.811	0.778	191.0	0.764	0.763	0.763	0.762	0.762
19000	4.374	-	0.880	0.804	0.776	0.768	0.765	0.764	0.763	0.763
20000	1.485		1.003	0.855	0.795	0.774	0.768	0.765	0.765	0.764
21000	56.1		1.182	0.944	0.830	0.787	0.772	0.768	0.766	0.766
22000	2.286	7	1.398	1.076	0.889	0.811	0.781	0.771	0.768	0.767
23000.	2.565	/	1.631	1.244	0.980	0.847	0.795	0.777	0.771	0.769
24000	2.823		1.864	1.434	1.101	906.0	0.817	0.785	0.775	0.772
25000•	3.062		2.085	1.633	1.246	0.987	0.851	0.799	0.781	0.775
26000.	3.284		7 2.295	1.830	1.407	1.090	006.0	0.818	0.789	0.780
27000.	3.490		1647	2.019	1.574	1.205	0.965	0.846	0.801	0.787
28000•	3.682	.,	9	2,197	1.739	1.337	1.045	0.884	0.818	0.796
29000	3.861	19	000°V	2.371	106.1	1.476	1.139	0.932	0.839	0.808
30000	4.028	3.528	00000	2.534	2.053	1.616	1.243	066.0	0.867	0.823
32000	4.332		2000	2,635	2.343	1.887	1.457	1.136	0.943	0.863
34000	4.601	4.	2 961	202.5	2.606	2.125	1.684	1,308	1.046	0.949
36000	4.841		7 40 4	* C * C	2.843	2,359	1.903	1.475	1.171	1.034
38000	5.056	d.	4.030	0000	1057	2.572	2.094	1.655	1.291	1.132
40000	5 250	4	0000	3.036	900	2.766	2.282	1 + 829	1.431	1.239
42000	774.5		• •	4.087	3.586	2.934	2.443	1.995	1.571	1.350
44000	0000		•	4.034	3.733	1600	2.602	2.148	1.708	1.461
• 0000	100 July 100	6.370	4.869	4.369	3.869	m m	2 - 750	2.275	1.839	1.569
* 0000 0000 11 W	, c		4.994	4.494	3.993	3,500	2.885	0 + 4 C	0000	1007
10000 R	892.99		•	4.768	4.267	3.778	1000	100.0	2 446	100
200009	6.498		5.498	4.997	4.497	4.004	7	4.016		20.108
65000	46949			5.193	4.692	4.203	3.708	4.2.4	20.746	200
20000	6.863	-	5.863	5,362	4.861	4.368	3,868	88	2.890	41.0
75000	7.011		6.010	5.510	2.009	4.519	4.019	3.5	2.0.48	2.643
80000	7.141	6.640	6.140	5.640	7	• 64	4.152	3,651	30168	2,756
85000•	7.256	6.756	O.	5.755	•25	• 76	4.270	3.769	5	2.858
•00006	7.360	6.859	6.328	5.859	335	m	4 • 365	4.0.0	ָם ק	3.066
95000	7.453		•	5.952	445	9.05	4.460	, i	4 1 4 1	6140
1000001	7.537	7.0	6.537	0	5.535	0 1	•	4.050	3.570	4.6
125000.	7.864	7.3	6.863	E.	Φ.	5.367	87	0	00 -	0.44°E
150000.	8.089	7.589	7.089	6.588	6.087	5.594	5.097) 4 *	2000

0.727 0.727 0.755 0.755 0.817 0.817 0.918 0.953 0.987 1.053 1.0653 1.17

0.953 0.987 1.020 1.053 1.053 1.117 1.680 1.754 1.958 2.098 2.255 2.412 0.678 0.701 0.755 0.785 0.817 0.850 0.884 1.0557 1.0357 1.0350 1.0350 1.0550 1.0550 1.0550 1.0550 1.0550 2.576 2.736 2.887 3.498 0.0009 1.204 .613 0.658 0.627 0.641 0.658 0.578 0.701 0.755 0.785 0.817 0.850 0.884 0.953 0.987 1.020 1.053 1.085 1.117 10.176 10.204 10.204 10.305 10.305 10.305 10.305 10.500 10.500 10.500 10.500 10.500 10.500 4.418 5.000 0.641 0.641 0.658 0.678 1.020 1.053 1.085 1.117 0.727 0.755 0.785 0.817 0.850 0.884 4.000 0.616 0.953 11.176 11.204 11.204 11.205 11.305 11.305 11.305 11.305 11.502 11 0.918 1.020 1.053 1.085 1.117 1.176 1.204 1.231 1.257 1.305 1.393 1,664 1,739 1,995 2,950 2,659 2,659 2,659 3,266 3,525 3,525 3,525 3,525 3,525 3,525 4,150 4,110 5,410 3.000 1.471 1.511 1.554 1.504 0.605 0.609 0.616 0.627 0.641 0.658 0.678 0.752 0.775 2.000 0.627 0.641 0.658 0.658 0.755 0.755 0.755 0.917 0.953 1.062 1.176 1.176 1.176 1.176 1.176 1.1776 1.176 1.17776 1.1776 1.1776 1.1776 1.1776 1.1776 1.1776 1.1776 1.1776 1.17776 1.1776 1.1776 1.1776 1.1776 1.1776 1.1776 1.1776 1.1776 1.17776 1.1776 1 2.263 2.263 3.212 3.212 3.952 4.952 4.961 1.000 0.605 0.627 0.641 0.658 0.658 0.757 0.757 0.757 0.755 0.918 0.918 0.995 1.053 1.053 1.176 -0.000 2.456 2.691 3.702 4.104 4.104 4.104 4.104 5.017 5.017 5.017 6.410 6.410 0.755 0.785 0.817 0.850 0.884 0.918 0.605 0.609 0.616 0.627 0.658 0.678 0.727 0.953 1.020 1.053 1.053 1.117 -1.000 2.915 0.605 0.609 0.609 0.609 0.609 0.609 0.609 0.727 0.727 0.727 0.727 0.727 0.727 0.727 0.727 0.727 0.727 0.727 0.727 0.727 0.928 1.020 1.020 1.020 1.020 1.020 1.023 1.033 -2.000 AR ď •¥ ATOMIC SPECIES DEG KZLOG 75000 80000 85000 95000 95000 100000 125000 36000 34000

1.669 1.726 1.786 1.855 1.936 2.032 2.133

1. 5231 1. 3055 1. 3055 1. 5596 1. 559

1.176

AR 5

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ATOMIC SPECIES

DEG KALAG PE	-3.000	000	0 0 0 I	1.000	0 0 0 N	a00 €	4 0 0	5 000	000	000
3000	0.530	0.530	0.530	***	****	****	****	***	***	***
Ö	Š		0.581	.58	5	*	***		***	***
5000	9	Ŷ	9	0.615	0.615	9	***	***	***	***
■0009	9	• 63	0.639	9	•	.63	¥ ·	***	***	***
■0002	9	60	. 65	.65	•	0.657	• 0.	¥ (***	****
8000	9	0.671	9	0.671	0.671	0.671	o o	9	# 4	* * * * * * * * * * * * * * * * * * *
0006	•	•		•		0.682	0.682	۰	***	* * * * * * * * * * * * * * * * * * * *
0000		159*0	0.691	60	0.691	0.691	0.691	0.691	3 (*****
1000	9 1	0 1	0 1	9 (•	0 I	A (0)	٠	0 1	* * *
2000	•	· •	0.705	٠	0.705	0.705	0.705	•	2	2 ;
13000		~ i	0.710	0.710	0.710	0.710	0.710	012.0	:	01.0
0000	•	517.0	0.715	0.715	0.715	0.713	0.710	•	0.710	7
15000	V. 70	F 6 2 - 0	W 0 0 0	F02-0	V . V . C	0.723	0.723	0.723	0.723	0.723
2000	,	0-1-0	01.50	0.726	0.726	0.726	0.725		72	72
8000		. ^	0.729	•	0.729	0.729	0.729	•	.72	0.729
19000	7	7.3	0.732	0.732	.73	0.732	0.732	0.732	.73	0.732
20000		0.734	0.734	0.734	.73	0.734	0.734		.73	0.734
21000	0.736	0.736	0.736	0.736	.73	0.736	0.736	0.736	0.736	0.736
22000	0.739		0.739	0.739	0.739	0.739	0.739	0.739	•73	0.739
23000	0.741	0.741	0.741	0.741	0.741	0.741	0.741	0.741	0.741	0.741
24000	0.743	6.743	0.743	0.743	0.743	0.743	0.743	0.743	• 74	74
$\boldsymbol{\alpha}$	-	0.745	0.745	0.745	0.745	0.745	0.745	•	►.	0.745
0	-	0.747	0.747	0.747	0.747	0.747	0.747	0.747	.74	0.747
$\boldsymbol{\alpha}$		0.749		0.749	0.749	0.749	0.749		47	۰
28000		0.751	-	0.751	•	0.751	0.751		• 75	0.751
29000		0.753	.75	0.753	0.753	0.753	0.753		13	
9	~	0.755	0.755		0.755	0.755	0.755	0.755	.75	•
		٠,	0.760	0.760	0.760	0.760	0.760	0.760	0.760	0.760
34000	`•	•	0.765	0.765	0.765	0.765	0.765	0.765	9 1	•
25		0.770	0.770	0.770	0.770	0.770	0.770		77	0.770
2 5	0.7.0	0.7.00	0.4.0	0.701	0.7.0	0.783	0.7.0	7.70	• •	
0000	•	•	0.787	0.787	0.787	0.787	0.787	0.787	8	
3 4	, ,		46.40	0.794	462.0	0.794	0.794	0.794	6	
0000		0.803	0.801	0.800	0.800	0.800	0.800	0.800	.80	0.800
4 8000	0.825	0.813	0.809	0.808	0.808	0.807	0.807	0.807	.80	. 80
0000	0.857	0.829		•		0.815	0.815	•	•	. 81
20	0	•	•		٠	0.835	0.835	•	83	83
0	TO.	1.181	0.987	0.901	0.870	0.860	0.857	0.856	85	
000	2.042	9	•		•	0.896	0.883	•	.87	0.878
0000	ě.	2.063	1.624		1.055	•	•	8	8	0.901
2000	G	4	2.022	•	1.257	•	.97	40.	93	00
0	<u>ا</u>	2.888	2.399	1.931	1.519		1.053	86	96	0.953
O	3.736	ď	•	•	1.804	•	.17	4	66.	96
00006	0	87	• 05	2.560	2.085		.32	• 12	40.	0
95000	•	3.830	3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	2,835	2.350	1.891	1 . 503	1.237	1.103	1.050
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125000	100.0	100.0	1000	4.052	4.205	3.705	00° K	2.718	2.256	1.844
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ATOMIC SPECIES

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000 •	0.302	0.302	0.304	0.309	0.316	0.323 0.332 0.343	0.355 0.368 0.382	0.412	0.442 0.458 0.559 0.791
0 0 0	0.302	0.302	0.000	0.309	0.316	0.323	0.355 0.368 0.382	0.397 0.412 0.427	0.449 0.460 0.610 0.30
0 0 0	0.302	N A A M	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.316	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	0 412	0 0 ; 4 4 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
0 0 0 • 9	0.302	0 0 0	0.00	0.300	0.316 0.316 0.319	0.323 0.332 0.343	0.355 0.368 0.382	0.397	0.455 0.488 1.002
0 0 0	0.302		0.00	0.309	0.313 0.316 0.319	0.323	0.355 0.369 0.383	0.398	0.5483 0.549 1.387 2.334
2.000	0.302	0 0 0	9 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	0.309	0.313 0.316 0.319	0.428	0.355 0.369 0.384	0.402 0.429 0.475	0.550 0.550 1.8844 2.829
1 • 000	0.302	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.400	0.309	0.313 0.316 0.319	0.323	0.355 0.369 0.386	0.413 0.464 0.565	0.740 0.982 2.329 3.327
900.	0.302	0 .302	0.304	0 3 0 0	0.313	0.323	0.356	0.446	1.057 1.383 2.825 3.827
0 0 1 1	0.302	0 -302	0.000	0.309	0.313 0.316 0.319	0.32000	0.357	0.535	8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
-2.000	0.302			0.309	0.313	0.323	0 359 0 494 0 594	0.737 1.113	4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
T DSG	27000	280000 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	40000 40000 60000	4 4 20 00 0	4 4 4 00000 00000	5 00 00 00 00 00 00 00 00 00 00 00 00 00	00000	80000 85000	95000 100000 125000 15000

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	1.0000		0.001						0.016					-1.000			0.303					0.312		
AR15	-2.000.	0.001	0.001	0.002	0.003	0.005	0.008	0 7011	01010	0 #021	0.059	0.116	AR16	-2_000	0_302	0 303	0 303	0 304	908 0	908	0 310	0 312	0 329	0 353
ATOMI: SPECIES : AR	T SEO KNI OG PE	00009	65000	20000	75000	80000	85000	-00006	00056	1000001	125000	150000	ATOMIC SPECIES : AR	T DES KARAC PE	000000000000000000000000000000000000000		00001	# 0000 80	000018	*00006	95000	100000	125000.	150000.

000	***	***	***	***	*	****	****	***	0.787	0.879	1,039	1.111	1.177	1.184	1.230	1.272	1,312	1.350	1,385	1.417	1. 448	1.477	1.507	1. 532	1.556	1.579	1.619	1. 659	1.692	# 1 C # 1	701	1.806	1,829	1.851	1.872	1.916	2.078	2,110	2, 139	2, 164	2,187	2,208	2.227	2,245	2,261		2,378
0000			***	***		***	0.778	06.	1.011	1.110	1.201	1.284	• 36	1.403	1.551	1.703	1.755	1.798	1.839	1.877	1.914	1.948	1.979	2.008	2.034	2.060	2.107	2-150	2.189	4 2 2 6 6	0000	2.430	2.456	2.476	2.495	2.539	2.576	2.608	2.637	2.662	2.684	2.705	2.852	2.867	88	.93	2.970
5000	****	***	***	***	* * * *	0.000		1.277	1.417	•	1.648	1.745	1.830	1.909	050.0	2.095	2.261	2,308	2.350	2,389	2.425	2.458	2.489	2.518	2,545	2.570	2.617	2.657	2.694	72.4	000	2.807	2.830	2.972	2.991	3.031	3,065	3.094	3.119	3.005	3.039	3.071	3.099	3.126	S	3.252	3,298
4	****	***	***	* (* .	, 0	1,108	32	1.515	1.682	1.829	1.931	2.045	2.148	047.0	702.0	2.465	2.527	2.585	2.639	2.661	2.706	2.749	2.789	82	2.862	2.896	2.957	3.011	3.058	3.090	01.01	3.185	3.218	3.249	3.277	3,342		3.447	•46	.50	٠	3.572	• 60	•62	• 65	n	3.811
0 0 0 m	****	**	.37	00 c	0.880	1.503	81	1.972	2.115	2.272	2.409	2.529	2.617	207.0	2.871	2.942	3.006	3.065	3.100	3.151	3.198	3.242	3.282	3,321	3,357	3.390	W + 00	3.478	3.528	3.575	1000	0000	3,725	3.739	3.758	3,833		3.938	3.965	4.004	4.040	4.072	4.102	_	13	23	4.304
2.000	***	0.323	0.462	0.847	1.295	1.090	2,223	2.419	2.591	•	2.892	3.012	3.105	3.00	2002	3.423	3.488	3.547	3.602	3.653	3.701	3.731	3.772	3.810	3.844	3.872	3.931	3.988	4.026	4.072	0 T T	4-104	4.21.1	4.242	4.272	4.325	4.381	4.431	4.463	4.503	533	4.559	4.589	4.616	4.642	4.735	4.803
000	***	0.348		6 2 1	1.755	2.177	2.682	2.905	3.084	3,247	3,384	3.497	3,605	3.701	1 867	3.928	3.984	4.044	4.099	4.150	4.187	4.230	4.267	4.299	4.335	4.370	4.424	4.480	4.531	4.569	4.012	4.651	4.712	4.743	4.764	4.830	4.878	4.928	4.964	5.003	5.031	5.063	5.086	5,113	•	5.221	5.290
0000	905.0	0.407	0.977	1.695	N • N • N	2.604 4.604	3-179	3.404	3.579	3.734	3.871	3.990	4.095	4.168	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.412	4.479	4.537	4.589	4.637	4.677	4.715	4.755	4.791	4.826	4 • 858	4.918	4.971	5.019	5.063	201.03	5.140	5.205	5 • 234	5.261	5.321	5.373	5.418	5.459	5.494	ů	5 • 556	ល	9	5 • 630	*	5.791
-1.000																													.*																		
-2.000	0.318	0.859	1.908	2.689	3.160	3.579	4-176	. 🙉	4.578	4.736	4.872	4.991	2.096		1 000	D . 0.17	5.477	5.527	5.580	5.629	5.674	5.717	5.756	5.793	5.827	5.860	5.919	5.973	6.021	6.064	\$01.0	0.141	6.206	6.235	6.262	6.322	6.374	6.420	6.460	6.496	6.528	6.557	6.584	6.608	6.631	6.723	6.792
T DEG K/LOG PE	3000	4000	2000	• 0000 000	• 0000:	\$ 8		00014	0000	• 0000E	14000	15000	16000	0000	0000	00000	21000	00000	23000	24000	25000	26000.	27000.	000	29000	€0000€	32000	34000	36000	38000	40000	• 2000 • 0000	0000	000084	20000	55000	50009	65000	.0000	75000	80000	85000	• 00006	95000	1000001	125000.	1,50000

ATOMIC SPECIES : < 2

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1.2000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
T 08G X/LOG PS	15000 16000 17000 19000 22000 22000 22000 25000	

wa 907/2 bwa h	2 000	000 •	000.01	000	9000	000 E	000	5.000	6.000	7.000
3000	0.673	0.673	9	****	*	****	****	***	***	***
4000	0.692	69.	•69		69.	*	****	***		***
5000	0.705	0.705		0.705	0.705	0.705	*	*	***	***
•0009	0.715	0.715		•		0.715	* (* !	* 1	+ 1	***
*000	0.723	0.723		•	<u> </u>	0.723	2.5	* * *	+ + + + + + + + + + + + + + + + + + + +	***
8000	0.729	0.729		0.729	0.734	0.729	0.739	0.734		****
• 00 06	0.734	•	0.730	•	• •	0.738	40.00	. ^	0.738	***
10000	0.741	0.741	0.741	•		0.741	0.741	0.741	.74	**
	0.744		0.744	0.744		0.744	0.744	0.744		0.744
3000	0.746		0.746	0.746	0.746	0.746	0.746	0.746	.74	7.4
14000	0.748	0.748	0.748	0.748	0.748	0.748	0.748	0.748	•	0.748
15000	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	75	0.750
	0.752	0.752	0.752	0.752	0.752	0.752	0.752	0.752	22	0.752
17000.	0.753	0.753	0.753	0.753	0.753	0.753	0.753	0.753	5	0.753
18000.	0.755	0.755	0.755	0.755	0.755	0.755	0.755	0.755	52	0.755
19000.	0.756	0.756	0.756	0.756	0.756	0.756	0.756	0.756	6	0.756
20000	0.757	0.757	0.757	0.757	0.757	0.757	0.757	0.757	• 75	0.757
21000.	0.759	0.758	0.758	0.758	0.758	0.758	0.758	0.758	51.	0.758
22000.	4	0.760	0.759	0.759	0.759	0.759	0.759	0.759	0.759	0.759
23000	0.769	0.763	0.761	0.760	0.760	0.750	00.00	00.00	•	001.0
24000.	~	0.769	0.763	0.761	0.761	0.760	0.760	00.00	001.0	0. 700
25000.	8	0.781	0.768	0.763	0.762	0.761	0.761	0.761	9 1	10, 00
26000.	0.890	8.8C7	0.777	0.767	0.763	0.762	0.762	0.702	0 1	707 0
27000.	•	0.854	0.794	0.773	0.766	0.754	0.703	0.769	0.763	0.763
28000.	7	0.935	0.825	0.784	0.7.0	0.765	0.00	107.0	0.103	20.00
29000	1.365	1.053	0.878	0.804	0.777	0.768	0.769	0.766	0.765	0.765
\$0000 F	0000	9029	, co.	0.957	0.838	0.791	0.775	0.770	0.768	0.767
* 00000	. 4	1.071	1.526	1,165	0.937	0.832	0.7.90	0.777	0.772	0.770
• 0000	2.8.6	4 4 6 6	1.868	1.437	1.104	606.0	0.822	0.789	0.779	0.775
00000	•	2.686	20197	1.731	1.325	1.034	0.881	0.813	0.420	0.782
* 00004	964.6	2.998	2.503	2.020	1.571	1.202	0.972	0.853	0.808	0.792
42000	3,781	3.282	2.784	2.294	1.822	1.401	1.092	0.916	0.837	0.808
44000	4.040	3.541	3.042	2.547	2.063	1.612	1.244	1.003		0.830
	4.278	3.778	3.279	2.781	2.291	1.821	1.411	1.105	93	0.860
48000*	4.496	3.996	3.496	2.998	2.504	2.023	1.588	1.230	00	0.00
50000	4.696	4.196	3.697	3.198	2.701	2.214	1.756	1.300	1 • 0 9 D	006.00
55000•	5.136	4.636	•	3.036	3.138	N. 040	•	10/01	•	0 - F
•00009	9.504	5.004		4.004	3,505	3.007	•	7 * O * C		1.534
65000.	φ. •	5.317	٠	4.517	718.5	01000	•	C. 24 C	•	
10000-	6.087	E. 587	5.086	•	4.086	3.587	٠	C. 00 C.	2.44	1.047
75000•	6.321	5.821		4 821	4.320	3.821		000		0 121
80000	6.527	6.027		5.027	4.520	4.020	7.000	7.00 K	• •	2.301
85000	6.710	6.474	0 1 1 5 Y	00 COV	4.870	4.372	, K. C.	3,390	6	2.455
• 00000	70.0	0.00		ָ מַנְיּי	0.010	4 8 18	4.004	3,527	40	2.574
	040.4	6.02C	4 (5	, co	5.00		4 159	9	-	2.702
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•0000s1	2000	N 00 00 00 00 00 00 00 00 00 00 00 00 00	0	6.508	6.008	5.537	5.013	51		3,529
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4.000	***	**	****	***	****	****	****	*	0.950	.95	۰	0		•	000	1.005	1.010	1.015	1.019	1.024	1.028	1.032	F. 036	1.043	1.046	9	1.059	1.065	•		1.004	1.100	1.110	1.121	1.161	20	•	•	1.624	• •	2.146		2.469	.08	53
0000	****	****	* * *	*	***	****	0.93	94	.95	.95	96.	.97	96.	9		00	.01	.01	.01	O.	0.5	000	9 6	1.000	40	.05	05	.06	•07	10.	000			13	61.	31) (20	1.934			1	2.921	.56	•
0 0 0 h	****	***	*	***				0.942	•	•				٠	•					•	•	1.032	•	1.039	•	• •	1.059		•	•	• !	•	1.134	•	•			•	•	• •	•	•			
0000	*****	***	****	* '	0.899			. 6	.6	O,	5	Q.	5		• :				٠	•	•	1.032	٠	1.039	•	• •	1.059		•	1.082	•	•	1 - 185	- 19	•	•	•			2 10	1 4	7	3.888	54	66•
000•E	****	*	•	•		ċ	ć	ò	ò		•		•		•	• •				•	•	1.032	9 1	1.039		100	1.060	1.067	1.077		1.115	•	1.317		•		٠	00.		0		•	4.387	40	.49
2.000	***	o	0.870	88	0.899						5	ç.	96	86.		000	0	.01	.0	• 0.2	ç	.03	•	1.039	9		90.		.08	1.119		7	1.580	.77	2.279			•	٠	4.0.4	• :	۰.	4.887	54	66,
3	****	0.850	.87	8	0.899	• •	10		٥,		Q.	6	o.	o, (ס עכ	• •	0	•	0	•		1.032	•	1.039	40	1.054	90.	.08	1.123	1.198	7		1.967	N	2.757	Ġ.	40	6	٠	6 0	•	\$ 6 •	5.387	9	4
0000	0.824	8	8.	8	0.899		. 0	9	.95	Ø		6	Q.	9	7 (• •	0	Q	9	9	•	9	٠	1.039		• •	1.077	•	*2E	1 • 382	100	•	2.424		ď	3.731	4	4	80	770.0	9 6	9 1	5.888	.55	66.
1 • 000 • 1 1	8.8		.87	0.885	60 6		i m	0.942	95	9.95	96.	0.974	86.	•	D (1000	.0	.01	1.019	•02	1.028	m 0	0.0	1.040		90		.22	.42	1.702	2.015	9 4	2.910	-14	.74	4.231	9	66.	ŭ,	ָ הַ	4 C C V	, i	6.3.88	.05	49
-2.900	0.824	885	0.870	88	0.899	7 0		96	95	95	96	97	86.	96	0	W C C C C C C C C C C C C C C C C C C C	0	0	0.	.02	• 02	• 03	0	1.041	• u	na	1.215	444	•76	21.5	2.479	, c	3.405	99.	42.	•73	7	4.0	8	7,00		120.0	6.888	55	6
T DEG KALOB PE	3000	4000	5000	•0009	7000	• 0000	* 0000	11000	12000	13000	14000.	15000.	16000.	2000	8000	19000		22000	23000	24000.	25000.	26000.	27000.	28000	00000	32000	34000	36000	38000.	0000	2000	4000	48000	0000	55000.	.00009	65000	20000	2000	80000			100000	25000	20000

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0004	9	090.0	2000		200	+ + + + + + + + + + + + + + + + + + + +		. 4	***	****
0000	•	•	•	•	7 T T T					****
0009	0.758	75	0.758	•	0.700	0.790	d	***	****	****
000	•	•	•	•	0.00	4 4 4	•	0.815		****
0 (0	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	***	****
		0	æ	•	0.856	0.856	•	•	85	**
			ဆ္		0.873	0.873		•	.87	*
200	ů,	6.888	8	.88	0.888	0.888		•	• 88	88
13000	0.902		90	• 90	0.902	0.902			06	8
1400B	φ,	6		. 91	0.914	0.914	0.914	0.914	16.	0.914
1 5000	₫.	0.925	Ø. 1		0.925	0.925	•	•	, c	
000	a, i	O (9 (500	0000	950.0	0.00	• •	7 0	• •
00	0.00 0.40 0.40	0.40	0.0	0.940	0.00	0.00	• •	0.954	0.954	95
18000	, פ	P .C		•	E 90 0	0.063			9	
1 0000	r c	0.000	•		026-0	0.670	0.970		76.	0.970
0000	, י	0.670	0.877	0.977	0.977	7.200			.97	
		0.984	•		0.984	0.984		•	0.984	98
00000	. ca	166.0	O.	0	166.0	166.0	•	0.991	665	0.991
24000	0	956.0	Ç.		966.0	966*0	•	•	•	0.996
25000	1.002	1.002	1.002		1.002	1.002	1.002	1.002	1.002	00
26000	1.007	•	•	•	1.007	1.007	•		1.007	1.00
27000.	1.012	1.012	•	•	1.012	1.012	•		1.012	
28000	1.017	•	1.017	•	1.017	1.017	•	•	1001	: .
29000	0 1		1.022		1.022	1.022	1.022	N 00 00 00 00 00 00 00 00 00 00 00 00 00	7.00.	• ·
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00044	1.077	1.077	1.077		1.076	1.076	•	•	1.076	, (
46000	0	1.084	1.083		1.083	1.083	1.083	1.083	1.083	1.083
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000.9	*****	**************************************	0.696 0.701 0.705 0.709 0.712 0.716	00.00 722.00 722.00 722.00 181.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.759 0.770 0.770 0.776 0.782 0.789 0.814	0.837 0.899 0.922 0.946 0.970 1.025 1.255
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22000+	0.001	0.001	0.001	0.001	0.001	0.001	100.0	0.001	0.001	0.001
23000	0.001	100.0	0.001	0.001	0,002	0.002	0.002	0.002	0.002	0.002
240%0	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
250 00	0.002	0.002	0.002	0.383	0.003	0.003	0.003	0.003	0.003	0.003
26000	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
27000.	0.004	400.0	0.005	900.0	0.005	0.005	0.005	0.005	0.005	0.005
28000	0.005	0.005	90000	900.0	900.0	900.0	90000	900.0	90000	0.006
29000	90000	8000	90000	0.008	0.008	0.008	0.008	0.008	0.008	0.008
*0000E	0.00g	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
#2000 P	5.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
34000	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
360gG	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028
*0000	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
42000	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045
4 4000	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
46000	0.065	0.065	0 • 065	0.065	0.065	0.055	0.065	0.065	0.065	0.065
00084	0.077	220.0	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077
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00000	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122
00009	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159
65000	0.198	0.197	0.197	0.197	0.197	0.197	0.197	0.197	0.197	0.197
20000	0.247	0.239	0.237	0.236	0.236	0.236	0.236	0.236	0.236	0.236
75000	0.331	0.293	0.281	0.277	0.276	0.275	0.275	0.275	0.275	0.275
00008	0.511	0.387	0.338	0.322	0.317	0.315	0.314	0.314	0.314	0.314
85000	0.833	198.0	0.432	0.379	0.361	0.355	0.353	0.353	0.353	0.352
• 00000a	1.246	0.860	0.599	0.467	0.416	0.398	0.393	0.391	0 62 0	0.390
• 0000 M m	1.673	1.223	0.852	0.610	0.493	0.448	0.433	0.428	0.427	0.426
1000001	2.080	1.602	1.165	0.819	609.0	0.514	0.479	0.467	0.463	0.462
125000	3,676	3.177	2,680	2,187	1.712	1.282	0.949	0.753	999.0	0.635
150000	4.754	4.254	3.755	3,255	2.758	2.267	1.794	1.372	1.052	0.872

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0.0 6.633 6.678 6.717 6.753 6.753 6.815 6.843 6.953 7.033 12.000 w a 08G ×/LwG 3 2000

ATOMIC SPECIES : CA 2

DEG K/LOG WS	-2 ° 00 0	000	000 0	000	0 0 0	3_000	0 0 0	0 0 0 0	9	000
* 00 CF	9.304	0.304	0.304	*****	*****	****	****	*****	****	***
	31	17	17	0.317	0.317	***	****	****	****	***
9	90	17		•	0.342	0.342	****	***	****	***
9	~	.37	<u>ب</u>		n	.37	****	****		****
9	.42	.42	0.421	0.421	0.421	4	0.420	****	****	
0008	0.540	O	4	•	• 46	• 45	0.465	•		***
O,	. 85	• 65	មា	52	. 5	51	0.510	•	* :	***
100,001	• 35		23.	0.620	.57	ຸນ	0.554	•	35	***
0	.87	1.41.7	.03		• 66	. 51	0.599		ij,	#
12000	32	4	i,	1.034	80	69.	0.651	•	0	• .
13000.	.72	~1	1.758	•	•	80	0.714	•	0	0.000
14000	0	2.570	2.083	1.621	1.222	0.942	0.791	0.732	7.	0.702
9	36	9	2,374	1.895	4	۰	16860	• .	•	•
9	90		2.633	K•140	•	•	1000	• .		- 0
9	98	3,362	2.864	•	7	1.47	10101	0000		0.847
۾ و	9 6	0 10 10 10 10 10 10 10 10 10 10 10 10 10	•	1 Q	7.00	700	007	. ,	9	•
2	0 (0000	30.40.4	- 0	•	1.067	1 1 2 2 2	0.00	0	94
0000	• •	1000	0.440	, (20.812	1.671	•	80	98
2		400	7.7.2	2 C C	001.0	0.040	1 . 795	•	41.	
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o g	ก (104.4) (•	Z 0 0 0	104.0	20000	• .	3 1	
25000		4.500	4 . 603	3.560	3.012	60000	1110	• •	1.423	. 6
3 9		0 1	0010	•	1 1 1 1 1	40.0	2 200	•	4	100
$\boldsymbol{\alpha}$	0	40.0	4000	20.40	0 4 4 6 0 U	7 × × × ×	2.384	• •	1.553	1.321
2 6	•	4 C C	•	0000	2000	200.0	464	400.0	19	1.366
2 (4 <	7000	t d	33.4.5	20 W	4.000	045.0	2.075	. 67	1.411
_	יות	A A	4-430	36.136	3000	3.156	2.665	2.206	•	
) c		5.260	4.760	4.289	3.759	3.265	2.789	2,325	.89	.57
_	. 6	5.370	α	1 10	3.869	3,378	2.901	2.414	66	. •
2	96	694.69	990	•	3.968	3.479	3.006	2.512	•06	1.720
O	6.059	5.559	.05	ŝ	4.058	3.571	3.079	•	• 1 4	•
$\boldsymbol{\alpha}$	6.141	5.641	ä	9	4.140	3.646	3.149		.21	1.844
0	6.216	5.716	5.215	4.715	4.214	3.723	3.225		ů.	89
45000	a	5.784	ď	4.784	4.283	3.794	3.296	•	35	2.051
0	i,	5.848	'n		4.346	3,851	3.361	•	4	0 . •
0	4	6.906	5.406	4.906	4.405	3.911	3.421	•	- (•
0	ŭ.	6.036	ıÇ	5.035	4.535	4.046	3.542	•		1 (
Ø	9	6.145	4	14	4.644		3.655	3.162	69	32
Ō	-	6.239	5.739	. 23	4.738	Ŋ.	3.753	•	2	• •
000	æ	6.321	.82	m M	4.820	m •	3.826		0	9 1
750.0	8	6.393	•88	39	4.892	•	3.901		6.0	2,518
9	6.957	4		5.456	4.955	•	3.968	٠	9	0 4
9	Q.	S.	40.	51	5.012	225	4.028	•	9 0	•
a	7.066	556	0	• 56	5.064	20	• 07		S:	
95000	•	19•		19.	- !	å	-	3.029	6.140 5.040 5.040	9
00000	F	609	•15	• 65	주 1 *	900	910	•	• • •	
2500	w .	ø	IJ,		32	80	9	0.830 0.830 0.830	7	2.834
1 50000	4	46.	6.442	• 94	5.441	4.947	4.451	3.948	04	, ,

ATOMIC SWECIES : CA 3

T DE KALDG WE -2.000 -1 000 -0.000

T DEK KALDG DE	-2.000	ī	0.00	-0.000	1.000	2.000	3.000	4.000	2.000	0000.9	7.000
2300	0.001	0	100	00000	0.000	00000	0.000	000.0	0.00.0	0000	0.000
000	0.004	0	100	0.001	0.000	0.000	00000	0.00	000.0	0000	0.00
000	0.012	0	0.0	0.001	0.000	0.000	00000	00000	0.00	00000	000.
866 00	0.029	0	010	0.003	0.001	00000	0.00	0.000	00000	00000	00000
000	0.066	0	022	0.007	0.003	0.001	0.001	00000	0.000	00010	000 0
286.00	7	Ö	048	0.016	900.0	0.002	0.001	0.001	0.00	0000	00000
2.86.00	0.250	0	960	0.033	0.011	0.004	0 • 00 5	0.001	0.001	0.001	0.001
306.00	4	0	175	0.064	0.022	0.008	0.003	0.002	0.001	0.001	0.001
326.00	0.818	ō	442	0.193	0.072	0.026	600.0	0.004	0.033	0.002	0.002
346.00	8	0	808	0.434	0.190	0.072	0.027	0.011	900.0	0.004	0.003
366	1.678	Ä	197	0.753	0.395	0.170	0.065	0.026	0.012	0.007	0.006
38600	0	;- -	569	1.094	0.665	0.334	0.141	0.057	0.024	01014	0.010
00 904	2.410	1	913	1.425	0.959	0.554	0.265	0.114	0.048	0.025	0.017
00000	2.727	Ŋ	228	1.734	1.251	0.803	0.435	0.201	0.088	0.043	0.027
00044	3.016	Ν	517	2.019	1.529	1.057	0.637	0.326	0.151	0 672	0.043
4.66.00	3.280	Ŋ	781	2.282	1.787	1,303	0.851	0.482	0.234	0 112	0.065
4 8 COO	3.523	(7)	023	2.524	2.027	1.536	1.065	0.657	0.344	0 171	0.096
50000	3.747	(r)	247	2.748	2.249	1.755	1.273	0.832	0.474	0 247	0.137
35000	4.237	ריז	737	3.237	2.737	2.239	1.746	1.276	0.841	0 498	0.287
04009	9	4	147	3.647	3.147	2.647	2.150	1.665	1.196	0 795	0.489
0000	4.995	4	455	3.995	3.495	2.995	2,496	2.011	1.527	1 092	0.720
1000	5.295	4	252	4.295	3.794	3.294	2.795	2.303	1.821	1 352	0.954
7 500 0	5.556	ų)	056	4.555	4.055	3,555	3.055	2.565	2.069	1.600	1.178
80000	7	ĸ	285	4.785	4.284	3.784	3.284	2.789	2.298	1.824	1,385
8 5000	5.988	u,	488	4.987	4.487	3.987	3.486	2.994	2,502	2 024	1.574
00000	6.169	ທັ	699	5.169	4.668	4.168	3.667	3.178	2,685	2,204	1.746
0 0 0 0 0	Ε,	u7	831	5,331	4.831	4.331	3.830	3,336	2.838	2,350	1.880
100000	4	U)	978	5.478	4.978	4.477	3.977	3.485	2.987	2.498	2.023
125000	7.043	ø	543	6.043	5.543	5.042	4.541	4.046	3,551	3,052	2.581
15000	75457	ŭ		6.427	5.926	5.426	4.925	4.431	3.932	3.443	2.945

T 0≤6 4/206 0≤	2 000 0	000	000	000	0 0 0 N	0000 M	4	000 S	0 0 0	7_000
000	0.648	0.648	0.648	****	***	****	****	***	****	****
# O	0.668	99	Ö	0.668	99.	*****	****	****	****	****
2000	0.683	9	.68	.68	0.683	9	****	****		***
= 0009	0.694	0.694	0.694	0.694	O	0.694	* *	***	***	*
7000	0.704	۲.	. 70	٠	20	. 70	• 70	* *	*	*
8000	0.711		1.	0.711	0.711		0.711	.71	*	****
■0006	0.717	7	-	٠	.71	.71	0.717	•71	# (#	* 1
10000	0.722		~	•	0.722	0.722	0.722	•		****
11000	0.727	7.	2		• 72	• 72	0.727	2 !	֝֞֞֜֜֝֝֓֞֜֜֝֝֓֓֓֓֓֜֜֜֜֝֓֓֓֓֓֜֜֜֜֜֜֜֜֜֜֜	f 1
12000	0.731		•	•	• 73	• 73		. 7.3	5 !	10.00
13000	0.734	.73	0.734	•	١,	• 73	٠	73	13	0.734
14000	0.737	1.	ا بەر	~ 1	•73		0.737	•	•	0.737
15000	0.739	. J	7	5.6	5 1		•		9 <	- 1
16000	0.741	* / *	•	•	•	•	•	• •		
17000	0.743	7	•	0.746	•	4	0.745			745
18000	0.745	•	*	0.740		• 1				4
	142.0	7	٠ ١	•	4	•	•	† < • •	• 🗀	- 1
20000	0.748	0.748	• 7 •	47.	\$.	•		0 4 4 0	* *	* *
21000	0.749		•	0.749	et i	4 6	4 4 4	4 1	* 1	78.0
22000	0.751	•	•	•	ני ו	•	10.00	0 1		76.0
23000	0.752	0.752	0.752	0.752	Ωl	0.152	- 1	- 1	•	784
24000	0.753		•	•	• 1	•	0 1	יו פיי	n u	אינו עינו
25000	0.754			0	0 1	• 1	10.40 10.40 10.40 10.40	יו יו		1000
26000	0.755	•	00100	0.700	0.756	• •	0.150		, h	, K
27000	0.756			001.00	007.0		756			, K
28000	0.757	0.758	•	•	• L		787	•		0.757
29000	0.758	0.757	0.757	0.757	0.750	O G	0 6	• •		0.758
#0000F	0.759	4.00	- 17	0.759	5	5	0.759		.75	0.759
00000	707	0.773	92	_	.76	.76			.76	0.761
0000	0 0 0	7.708	•	76	.76	.75	-		.76	0.762
00000	0.000	0.871	80	77.	0.767	• 76	0.764			0.764
0000	E E E	1.020		. 79	.77	0.769		0.766	• 76	0.765
42000	1.643	1.253	•		.79			0.768	• 76	0.767
44000	1.985	υ S	•	0.942	0.832	•	0.776	0.772	.77	.77
46000	2,315	.84	.41			0.817	٠	0.777		
48000	2.624			•	000	•	0.805	0.786	• 77	
50000	2.913	2.419	1.940	1.501	5	<u>ن</u>		0.799	•	0.082
55000	3.546	•	•	٠	0	. 43	٠	20000	0 0	• .
€00009	4.078	•	•	2,585		499	- 50	•	9	•
65000	4.529	9	5	• 03	53	000	•	52	• 02	? (
10000	4.917	4	0	4	92	. 42	95	53	• 50	• :
15000	5.255	4.755		. 75	N I	•	12.	8	•	֝֞֜֞֜֜֝֓֜֜֝֓֓֓֓֓֓֓֜֝֜֜֜֓֓֓֓֓֓֓֡֝֜֜֜֝֓֓֓֡֜֝֜֜֜֝֡֡֓֜֝֜֜֝֡֡֡֓֡֓
80000	5.551	0	ις.	• 05	53.5	0.	92	9 1	000	9 i
85000	5.813	Ŋ	B	•	8	.31	8	4	8	200
	6.047	54	0	• 54	• 0	\$ 5.	0.0	2.565	01	٥
95000	6.257	29.191	IJ	. 75	25	ß.	N :	.77	930	88
100000	6.446	96	44.	46.	44	40	4	9 1	2.483	9
125000	•		4	9		o,	-	٠.	- u	
150000	7.663	16	6.663	6.162	99	• 16	4.661	4.169	ė.	3.193

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ATGMIC SPECIES :

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000	* * * * * * * * * * * * * * * * * * * *	* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000		िक्या प्रत्ये अस्ति व्यक्ति अस्ति व	10001 10001 10001 10000 10000 10000 10000	30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0	* * * * * * 0	0.896 0.907 0.917 0.927 0.936	000000000000000000000000000000000000000	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.082 11.127 11.127 11.662 11.663 11.663 12.37 13.398 4.398
0 0 0	**** **** **** 0 • 871	90.	• • • • •	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10001	0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
0 0 0 m	**** 0 839 0 857 0 885	0.896 0.907 0.917 0.927 0.936	000000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
2.000	* * * * * *			1 0000 1 0000 1 0000		1.0042 1.0042 1.0042 1.0054 1.0054 1.0054	0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
000	****** 0.817 0.839 0.857 0.871			0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10042 10042 10042 10042 10042 10042 10042 10042 10042 10042 10042 10042	
0000	0.788 0.817 0.839 0.857 0.871		0.0000000000000000000000000000000000000		• • • • • •	1.0035 1.0048 1.0048 1.0053 1.0067 1.0067	
00 ?	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		000000000000000000000000000000000000000		10025	1 0 0 3 3 4 6 6 6 7 6 6 6 7 6 6 6 7 6 6 7 6 6 7 6 6 7	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
0 0 0 0 1	0.788 0.817 0.839 0.857 0.871	5896 59890 79890 79890 79890	0.952 0.953 0.955 0.956 0.972	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
T DEG ≺/LOG P≥	3000 4 4000 5000 70000 80000	10000	15000 15000 15000 17000 19000	20000 20000 20000 20000	2 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32000 34000 35000 35000 40000 44000	5 50000 5 50000 6 5 50000 6 5 50000 6 6 50000

		4	+ +	#		3 45444	4 0 64	•656 0 -1 656	0	Q ·	•	0.1	0.72		1 0.75	ວັ. ຜ	o (16.791 0.791	o ·			8 0 83	.	o ·	.	o i	• •	< +	0	.955 0.955	o.	NI I	ທ		1.02		20°1	01.10	9	4 1.5	•	8 1.20	~	60 1.29	62 1.34	94 168	N 24	
0	*		· *	* 91	24 0	33 0	44	26	0 69	82 0	96	0 01	24	O .)	0	0	0	0	0	0	Ο.	0	0	0	0	0	0	O	0	0	0	0	0.	1 .	.020	٠,	-	7	29	63	1001	80	84 1	25	96	37	72 2	
0.0	***		+	•	•	ò	ô	ċ	ċ	ċ		ċ	0		0	0		0	0	0	Ο.	0.	O	O.	0	0	0	O	0	0	0	0	0	_	•				-	-	-				• .	1 12		
4.000	***************************************		• •		0.624	•				•	•		٠	•	•	•		•	•	•	•	•		•	•		•	•		0.955		•	•	1.008		1.048	•	•		•	•	1.414	•	82	90.	1	• 86	
3_000	404		0.00	0.616	0=624	0=633	0=644	0 656	699 0	0 682	969 0	0 710	0 724	0 738	0 .751	0=765	0=778	0 791	0 803	0 815	0 827	0 838	0 849	0 859	0_873	0 889	0 0 0 0	0=924	0=940	0 955	696 0	0 982	0 995	1 208	1 020	1 048	1 077	1 1 1 1	1=165	1=266				2 240			4 367	
2.000	40	1 0	0.000	0.616	0.624	0.633	0.644	0.656	699.0	0.682	969.0	0.710	0.724	0.738	0.751	0.765	0.778	162.0	0.803	0.815	0.827	0.838	0.849	0.859	0.870	0.889	0.907	0.924	0.940	0.955	696.0	0.982	966.0	1.008	1.020	1.049	1.082	1.133	1.240	1.443		•	2,398	2.709	6	-	4.867	
1.000	604	•	0 4		0.624	•	•	•	0.669		٠	٠	٠	•	•	•	•	٠	٠	•	•	٠	•				•		٠		. •	•	•	•	1.020	•	•	1.198	10417	1.757	2.145	2.525	2.878	3.199	•	9	5.367	
000.0-		•		• •	0.624		•		699.0	9	0.696	0.710	0.724	•	•	0.765	. •	•		•	•	٠		•	0.870	•		0.924		0.955		•	0.995	•		•	1 - 1 4 1	1.354	1.731	2.177	2.612	3.011	•	3.695	3.989	•	5.867	
-1.000		9 4		, (6.2	60	9	65	•66		0.696	0.710	0.724	0.738	0.751	0.765	0.778	0.791	0.803	0.815	0.827	0.838	0.849	0.859	0.870	0.889	206.0	0.924	0.940	0.955	696.0	0.982	966.0	1.009	1.023	1.082	1.258	1.646	2.151	2.649	3.101	3.507	3.869	4.194	4	9	6.367	
-2.000	. 4	۰	909*0	3 4	0.624	9	9	Ŷ	699*0	9	969.0	6	0.724			7	7	-	8	æ	8	0.838	8	8	0.870	æ	0	9	0	0	696*0	3	Ŏ,	9	9	~	ທຸ	9	Ŷ	7	S	0	4.368	4.694	6	7	6.867	
E G K/LOc P≥		0000	0007		1 0000	1 1000	1 2000	1 3000	1 4000	1 5000	1 6000	1 7000																		0000					0000 5							8 5000 8					O 00 ~	

ATOMIC SPECIES : < 0 6

-441 0.441 ****** ****** *** -553 0.553 0.553 ***
0.627 0.627 0.627 0.627 0.630 0.680 0.680 0.680 0.680 0.680 0.680 0.680
20 0.720 0.720 0.720 0.720
0 677-0 677-0 67
0.822 0.822 0.822 0.
40 0.840 0.840 0.840
0.870 0.870 0.870 0.
84 0.884 0.884 0.884 0.
0 96 0 968 0 9896 0
0 200 0.907 0.907 0.907
17 0.91.7 0.91.7 0.91.7 0.00.2
0.936 0.936 0.936 0.
944 0.944 0.944 0.
52 0.952 0.952 0.952 0.
59 0,959 0,959 0,959 0.
56 0.966 0.966 0.966 0.
0.028 0.978 0.978 0.978 0.028
84 0.984 0.984 0
•0 686•0 686•0 686•0 68
95 0.955 0.995 0.995 0
17 1.017 1.017 1.017
25 1.025 1.025 1.025 1
33 1.033 1.033 1.033 1.03
39 1.039 1.039 1.03 1.046 1.046 1.046 1.046
1.052 1.052 1.052 1
59 1.059 1.059 1
65 1.065 1.065 1.065 1
1 1.071 1.071 1.071 1
86 1.085 1.085 1.085
07 1.102 1.100 1.100 1
61 1:130 1:119 1:116
1.202 1.154 1.137 1
1.388 1.237 1.176 1
21 1.713 1.419 1.260 1.19
2.111 1.708 1.422 1.27
97 2.511 2.054 1.667 1.40
2.887 2.407 1.962 1
29 3.232 2.741 2.269 1.84
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ATOMIC SPECIES :

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6.758 6.258 6.757 6.771 4.771 4.281 3.819 3.740 3.328 (5.50) 6.500 6.500 6.500 6.500 6.500 7.020 6.500 7.020 6.500 7.020 6.500 7.020 6.500 7.020 6.500 7.020 6.244 6.144 6.144 6.565 7.020 7.020 6.245 6.245 6.225 4.771 4.071 4.071 4.070 3.865 7.020 6.245 6.245 6.245 6.245 6.245 7.020 4.070 3.095 3.944 7.723 6.245 6.245 6.245 6.245 6.245 7.020 4.256 7.020 7.020 6.583 6.094 6.400 4.256 3.944 7.723 7.020 6.583 6.094 6.400 4.256 7.020 7.020 6.583 6.094 6.004 6.000 4.256 7.020 7.020 6.583 6.094 6.004 6.000 4.000 4.256 7.020 7.020 6.004 6.000 7.000 6.000 6.000 7.000 6.000 6.000 7.000 6.000 6.000 7.000 6.000 6.000 7.000 6.000 6.000 7.000 7.000 6.000 6.000 7.000 7.000 6.000 7.000 6.000 7.000 7.000 6.000 7.000 7.000 6.000 7.000	1,5000	9	0	5		4.609	•	3.666	50	. 18	2.774
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7.505 7.505 <th< td=""><td></td><td>7.424</td><td>6.928</td><td>•</td><td>5.943</td><td>4</td><td>4.946</td><td>4.488</td><td>•</td><td>92</td><td>3.429</td></th<>		7.424	6.928	•	5.943	4	4.946	4.488	•	92	3.429
7.656 7.158 0.0583 0.094 5.057 5.170 4.067 4.528 4.524 4.521 4.753 7.158 7.158 0.0583 0.164 5.055 5.177 4.067 4.667 4.583 4.269 7.156 7.275 6.774 6.282 5.732 5.173 4.753 4.583 4.269 7.275 7.215 6.774 6.282 5.735 4.814 4.683 4.269 4.226 7.383 7.385 7.385 6.884 6.395 5.383 4.871 4.683 4.289 7.389 7.385 7.385 6.884 6.395 5.383 4.871 4.683 4.289 7.389 7.388 7.368 7.368 7.365 6.887 6.395 5.814 5.023 4.811 4.683 4.456 8.314 5.067 6.151 5.654 5.186 4.995 6.196 7.745 7.215 6.720 6.224 5.727 5.249 5.004 4.695 8.279 7.779 7.215 6.720 6.224 5.727 5.249 5.004 4.695 8.279 7.779 7.215 6.720 6.224 5.727 5.249 5.004 4.695 8.291 7.890 7.389 6.894 6.399 5.803 5.402 5.186 4.790 8.391 7.890 7.389 6.894 6.399 5.908 5.402 5.186 4.790 8.391 7.890 7.389 6.894 6.399 5.908 5.402 5.186 4.991 4.892 8.201 7.890 7.488 6.909 6.394 5.909 5.402 5.189 5.402 5.180 4.991 8.801 7.890 7.488 6.909 6.394 5.909 5.402 5.180 6.491 6.909 6.394 6.394 5.909 5.402 5.180 6.491 6.894 6.894 6.394 5.909 5.402 5.180 6.224 5.180 6.894 6.999 6.99		7.505	7.005	មា	6.026	មិ ,	5.029	4.542		80	3.496
7.715 7.215 6.774 6.282 5.732 5.243 4.753 4.583 4.269 7.76 7.275 6.774 6.282 5.793 5.345 4.814 4.635 4.289 7.789 7.776 7.275 6.774 6.282 5.793 5.345 4.814 4.635 4.320 7.882 7.882 7.882 6.881 6.341 5.898 5.417 4.925 4.811 4.635 4.320 7.882 7.882 7.882 6.881 6.487 5.995 5.514 5.023 4.810 4.495 8.069 7.568 7.067 6.286 5.514 5.023 4.810 4.495 8.146 7.646 7.145 6.720 6.224 5.727 5.249 5.004 4.995 8.279 7.779 7.278 6.249 5.727 5.249 5.004 4.690 8.279 7.779 7.278 6.347 6.350 5.853 5.344 5.004 4.690 8.391 7.890 7.336 6.847 6.394 5.908 5.402 5.102 4.742 8.337 7.894 7.895 6.847 6.394 5.908 5.402 5.102 4.790 8.207 7.894 7.895 6.845 5.959 5.500 5.220 4.901 8.527 7.894 7.895 7.895 6.495 5.909 5.200 4.901 8.620 8.198 7.893 7		7.581	7.080	80 4	6.094	5.507	•	4.017	• 1	2 5	3,616
7.776 7.276 6.774 6.282 5.793 5.353 4.814 4.635 4.320 7.832 7.376 6.814 6.341 5.489 5.363 4.811 4.635 4.368 7.885 7.385 6.884 6.395 5.898 5.117 4.683 4.413 8.069 7.568 7.067 6.576 6.084 5.514 4.682 4.810 4.495 8.146 7.646 7.145 6.657 6.151 5.514 5.186 4.946 4.697 8.279 7.779 7.278 6.720 5.224 5.186 4.946 4.742 8.377 7.779 7.278 6.720 5.254 5.186 4.772 4.780 8.391 7.894 7.488 6.946 6.494 5.959 5.402 5.185 4.772 8.391 7.894 7.488 6.946 6.494 5.959 5.402 4.772 8.485 7.984 7.488 6.946		7.715	7.0.5	• •	900.09	5.732	5.243	4 753		20	3.675
7.832 7.332 6.831 6.341 5.849 5.363 4.871 4.683 4.368 7.885 7.385 6.884 6.395 5.898 5.417 4.925 4.913 8.092 7.385 6.884 6.395 5.898 5.417 4.925 4.910 8.092 7.286 7.067 6.576 6.151 5.624 5.100 4.887 4.910 8.106 7.215 7.215 6.224 5.729 5.104 4.960 4.966 8.377 7.236 6.847 6.320 5.729 5.104 4.966 4.790 8.391 7.236 6.847 6.326 5.729 5.348 5.102 4.790 8.391 7.894 7.339 6.894 6.396 5.989 5.104 4.883 8.439 7.984 7.484 6.996 6.346 6.445 5.908 5.145 4.981 8.527 8.026 7.226 6.445 5.908 5.460	8000	7.776	7.275		6.282	5.793	5,305	81		32	3, 725
7.885 7.385 6.884 6.395 5.898 5.417 4.925 4.728 4.413 4.495 8.082 7.482 6.981 6.487 5.995 5.514 5.023 4.810 4.495 4.495 8.084 7.568 7.067 6.084 5.554 5.110 4.946 4.695 4.554 7.486 7.667 6.084 5.554 5.110 4.946 4.695 4.695 8.216 7.715 7.215 6.720 6.224 5.727 5.249 5.004 4.690 8.279 7.779 7.278 6.787 6.290 5.723 5.314 5.056 4.742 8.331 7.837 7.837 7.336 6.894 6.390 5.727 5.249 5.004 4.690 8.391 7.890 7.438 6.994 6.390 5.793 5.314 5.056 4.742 8.433 7.939 7.438 6.994 6.445 5.959 5.463 5.184 4.872 8.620 8.196 7.484 6.993 6.445 5.959 5.463 5.184 4.872 8.620 8.198 7.618 7.127 6.625 6.130 5.640 5.220 4.908 8.620 8.198 7.618 7.127 6.625 6.130 5.640 5.253 4.908 8.267 7.826 7.203 6.706 6.214 5.723 5.253 4.908 8.267 7.826 7.203 6.706 6.214 5.723 5.253 6.016 8.260 8.360 6.327 7.331 6.830 5.236 5.037 5.131 8.267 7.326 7.231 6.830 5.230 5.253 4.941 8.267 7.326 7.231 6.830 5.232 5.833 5.453 5.131 8.267 7.326 7.227 6.830 5.236 5.039 5.520 5.131 8.267 7.326 7.227 6.830 5.236 5.237 5.131 6.830 6.327 6.339 5.520 5.218 8.267 7.326 7.231 6.830 5.232 5.833 5.452 5.131 6.830 5.252 6.031 5.253 6.254 5.517 6.830 5.254 5.557 5.257	.00062	7.832	7.332	•	6.341	5.849	5,363	4.871	4.683	•36	3, 773
7.982 7.482 6.981 6.487 5.995 5.514 5.023 4.810 4.495 8.069 7.568 7.067 6.576 6.084 5.575 5.110 4.982 4.567 8.216 7.646 7.115 6.657 6.151 5.575 5.110 4.946 4.567 8.216 7.715 7.218 6.720 6.290 5.724 5.004 4.946 4.946 4.946 4.946 4.946 5.098 5.008 4.742 4.742 8.337 7.837 7.484 6.994 6.296 5.958 5.346 5.102 4.742 8.485 7.984 7.484 6.993 6.445 5.989 5.463 5.184 4.941 8.527 8.026 7.628 6.536 6.033 5.543 5.253 4.941 8.620 8.119 7.628 7.029 6.536 6.033 5.543 5.253 4.941 8.620 8.126 7.528 7.278 <td></td> <td>7,885</td> <td>7.385</td> <td>œ</td> <td>6.395</td> <td>5.898</td> <td></td> <td>4.925</td> <td>4.728</td> <td>.41</td> <td>3,819</td>		7,885	7.385	œ	6.395	5.898		4.925	4.728	.41	3,819
8.069 7.568 7.067 6.576 6.084 5.575 5.110 4.882 4.567 7.116 7.145 6.657 6.151 5.654 5.110 4.882 4.567 7.116 7.115 7.218 6.724 5.724 5.249 5.004 4.691 7.729 7.779 7.278 6.224 5.729 5.793 5.314 5.056 4.742 7.248 8.337 7.336 6.847 6.350 5.853 5.348 5.102 4.742 8.331 7.890 7.389 6.894 6.399 5.495 5.453 5.116 4.833 8.527 8.026 7.438 6.993 6.495 5.959 5.463 5.184 4.833 8.527 8.026 7.438 6.993 6.492 5.989 5.500 5.220 4.991 8.527 8.026 7.529 7.029 6.536 6.033 5.543 5.284 4.991 8.527 8.026 7.592 7.029 6.536 6.033 5.543 5.284 4.991 8.500 8.198 7.698 7.203 6.706 6.332 5.543 5.284 7.908 8.267 7.760 7.275 6.224 5.295 5.016 8.296 8.327 7.826 7.331 6.830 6.332 5.833 5.482 5.178 8.827 7.826 7.331 6.830 6.332 5.833 5.482 5.178 8.927 8.427 7.926 7.436 6.937 6.439 5.939 5.554 5.517 8.920 8.347 7.928 7.430 6.937 6.439 5.939 5.554 5.517 8.920 8.347 7.928 7.430 6.937 6.439 5.939 5.554 5.517 8.920 8.347 7.928 7.430 6.937 6.439 5.939 5.554 5.517 8.920 8.547 8.007 7.510 7.013 6.547 6.063 5.511 5.557 5.019 7.000 8.507 8.007 7.510 7.013 6.547 6.063 5.511 5.507 7.000 8.507 8.007 7.510 7.013 6.547 6.063 5.511 5.507 7.000 8.507 8.007 7.510 7.013 6.547 6.063 5.511 5.507 7.000 8.507		7.982	•	6.981	6.487	5.995	•	5.023	4.810	64	4.101
8.146 7.646 7.145 6.657 6.151 5.654 5.185 4.940 4.690 8.216 7.779 7.278 6.720 6.224 5.727 5.249 5.004 4.690 8.379 7.837 7.336 6.847 6.350 5.853 5.348 5.102 4.790 8.391 7.890 7.389 6.894 6.394 5.908 5.402 5.185 4.790 8.439 7.939 7.438 6.946 6.445 5.959 5.402 5.184 4.872 8.439 7.939 7.438 6.946 6.445 5.959 5.463 5.184 4.872 8.485 7.984 7.484 6.993 6.492 5.989 5.500 5.220 4.908 8.620 8.119 7.618 7.102 6.52 6.130 5.640 5.325 6.018 8.699 8.198 7.698 7.275 6.778 6.286 5.795 5.437 5.131 8.827 8.267 7.766 7.275 6.778 6.286 5.795 5.482 5.178 8.827 7.826 7.331 6.830 6.332 5.883 5.482 5.178 8.820 8.379 7.879 7.387 6.887 6.389 5.589 5.520 5.218 8.820 8.379 7.879 7.879 7.938 6.937 6.389 5.520 5.218 8.820 8.464 7.868 7.430 6.897 6.389 5.520 5.517 8.9008 8.507 8.007 7.510 7.013 6.526 6.025 5.611 5.573 9.003 8.507 8.007 7.510 7.013 6.526 6.002 5.511 5.507 9.005 8.507 8.007 7.510 7.013 6.526 6.002 5.511 5.507	34000.	8.069		7.067	6.576	6.084		5.110		. 56	4.175
8.279 7.779 7.278 6.787 6.290 5.793 5.314 5.056 4.790 4.790 6.391 7.890 7.389 6.894 6.394 5.908 5.402 5.314 5.056 4.790 7.389 6.894 6.394 5.959 5.465 5.314 5.056 4.790 7.389 7.438 6.946 6.445 5.959 5.465 5.314 5.102 4.790 7.389 7.438 6.946 6.445 5.959 5.463 5.318 4.872 4.991 8.485 7.984 7.484 6.993 6.492 5.989 5.453 5.184 4.872 8.620 6.119 7.618 7.127 6.622 6.130 5.641 5.220 4.991 8.629 6.119 7.618 7.203 6.706 6.214 5.723 5.386 5.078 8.267 7.826 7.321 6.830 6.332 5.833 5.482 5.178 8.267 7.826 7.331 6.830 6.332 5.833 5.482 5.178 8.267 7.826 7.331 6.830 6.332 5.889 5.520 5.131 8.969 6.376 7.968 7.476 6.937 6.439 5.939 5.554 5.517 8.969 6.370 8.969 7.440 7.440 7.410 7.013 6.526 6.025 5.939 5.554 5.517 7.410 7.410 7.411 6.526 6.025 5.939 5.554 5.517 7.410 7.411 6.526 6.025 5.939 5.554 5.517 7.410 7.411 6.526 6.025 5.011 5.597 7.410 7.411 6.526 6.025 5.411 5.573 7.411 7.411 7.411 7.411 6.527 5.411 5.573 7.411 7.411 7.411 6.527 5.411 5.573 7.411		8.146		7.145	6.657	6.151	0.00 u	5.185	•	0 4	4.239
8.377 7.837 7.336 6.894 6.350 5.853 5.348 5.102 4.790 7.389 7.389 6.894 6.394 5.908 5.402 5.145 4.833 7.837 7.389 7.438 6.946 6.394 5.908 5.402 5.184 4.872 7.939 7.438 6.946 6.394 5.908 5.402 5.184 4.872 7.928 7.438 6.993 6.492 5.989 5.500 5.220 4.908 7.628 7.629 7.029 6.536 6.033 5.543 5.253 4.941 7.618 7.618 7.127 6.622 6.130 5.640 5.220 4.908 7.699 7.203 6.706 6.214 5.723 5.386 5.078 8.267 7.786 7.275 6.778 6.296 5.795 5.437 5.131 6.887 6.399 5.989 5.520 5.218 8.927 8.427 7.926 7.331 6.887 6.389 5.989 5.520 5.218 8.969 8.507 8.007 7.387 6.399 5.939 5.584 5.517 8.969 8.507 8.007 7.510 7.013 6.526 6.025 5.611 5.573 5.016 7.003 8.507 8.007 7.510 7.013 6.526 6.025 5.011 5.573 5.100 7.000 8.507 8.007 7.510 7.013 6.526 6.025 5.511 5.573 5.100 7.000 8.507 8.007 7.510 7.013 6.526 6.025 5.511 5.573 5.701		8.210		7 078	0.720	4774	5.733	¥ 7	5.055	9 6	4.350
8.439 7.890 7.389 6.894 6.394 5.908 5.402 5.145 4.833 8.485 7.984 7.484 6.993 6.492 5.959 5.453 5.184 4.872 8.620 8.119 7.618 7.127 6.622 6.130 5.253 4.941 8.620 8.119 7.618 7.127 6.622 6.130 5.253 4.941 8.629 8.267 7.568 7.275 6.778 6.286 5.723 5.386 5.078 8.699 8.257 7.86 7.275 6.778 6.286 5.795 5.487 5.131 8.927 8.257 7.86 7.331 6.887 6.389 5.889 5.520 5.178 8.969 8.467 7.926 7.430 6.937 6.439 5.939 5.554 8.969 8.607 7.510 7.013 6.526 6.025 5.611 5.597 9.008 8.507 8.007 7.510 7.013 6.526 5.097 5.591 5.597 9.008 8.507 8.007 7.510 7.013 6.526 5.097 5.591 5.597 9.008 8.507 8.007 7.510 7.013 6.526 5.097 5.595 5.611 5.597 9.008 8.507 8.007 7.510 7.013 6.526 5.097 5.595 5.611 5.597 9.008 8.507 8.007 7.510 7.013 6.526 6.025 5.611 5.597	2000	8.337	7.837	7.336	6.847		5.853	5,348	5.102	.79	4.398
8.485 7.939 7.438 6.946 6.445 5.959 5.453 5.184 4.872 8.485 7.984 7.484 6.993 6.492 5.989 5.500 5.220 4.908 8.620 E.119 7.618 7.127 6.622 6.130 5.640 5.325 4.941 8.629 E.198 7.608 7.203 6.706 6.214 5.723 5.386 5.016 8.880 E.379 7.86 7.275 6.778 6.389 5.833 5.482 5.131 8.880 E.379 7.876 7.331 6.887 6.389 5.520 5.138 8.907 E.427 7.926 7.430 6.937 6.439 5.939 5.520 5.218 8.908 E.469 7.496 7.476 6.997 6.434 5.984 5.517 9.008 E.507 B.007 7.510 7.013 6.526 6.025 5.611 5.597 9.008 E.574 B.074 7.510 7.013 6.526 6.025 5.611 5.597 9.075 E.574 B.074 7.510 7.013 6.527 5.007 9.075 E.574 B.074 7.510 7.013 6.527 5.015 5.519	.4000.	8.391	7.890	7.389	6.894	6.394	5.908	5.402	5.145	. 83	4.442
8.485 7.984 7.484 6.993 6.492 5.989 5.500 5.220 4.908 4 8.527 8.026 7.525 7.029 6.536 6.033 5.543 5.253 4.941 4 8.620 8.119 7.618 7.217 6.622 6.130 5.640 5.325 6.016 4 8.639 8.167 7.768 7.275 6.778 6.286 5.773 5.833 5.482 5.131 4 8.80 8.377 7.86 7.331 6.837 6.389 5.893 5.78 5.131 4 8.927 8.427 7.826 7.337 6.887 6.389 5.893 5.520 5.218 4 8.927 8.427 7.926 7.430 6.937 6.439 5.939 5.554 5.517 5 8.969 8.507 8.007 7.510 7.013 6.526 6.025 5.611 5.573 5 9.043 8.542 8.042 7.548 7.051 6.547 6.063 5.561 5.597 5 9.075 8.574 8.074 7.582 7.086 6.582 6.097 5.559 5.519 5 9.075 8.574 8.074 7.582 7.086 6.582 6.097 5.595 5.619 5.501	• 0009	8.439	7.939	4	6.946	44	5.959		5.184	.87	4.482
8.620 E.119 7.618 7.127 6.622 6.130 5.640 5.325 7.016 4. 8.620 E.119 7.618 7.127 6.622 6.130 5.640 5.325 5.016 4. 8.629 E.19 7.698 7.203 6.706 6.214 5.795 5.437 5.1016 4. 8.827 E.327 7.826 7.337 6.830 5.389 5.683 5.482 5.178 4. 8.927 E.427 7.926 7.387 6.887 6.389 5.939 5.520 5.218 4. 8.969 E.469 7.968 7.476 6.937 6.434 5.984 5.584 5.517 5. 9.008 E.507 B.007 7.510 7.013 6.526 6.025 5.611 5.597 5. 9.043 B.542 B.042 7.548 7.051 6.587 6.083 5.561 5.597 5. 9.075 E.574 B.074 7.510 7.013 6.582 6.097 5.595 5.619 5.	.8000	4	4.984	7.484	6.993	20.00	V V V		0.000	9	4.020
8.699 8.198 7.698 7.203 6.706 6.214 5.723 5.386 5.078 4.8 8.827 8.267 7.826 7.235 6.778 6.286 5.795 5.437 5.131 4.8 8.880 8.377 7.826 7.331 6.837 6.389 5.833 5.482 5.178 4.8 8.927 8.427 7.926 7.430 6.937 6.439 5.939 5.520 5.218 4.8 8.969 8.969 8.969 7.968 7.968 7.968 7.913 6.526 6.025 5.611 5.577 5.8 9.008 8.507 8.007 7.510 7.013 6.526 6.025 5.611 5.573 5.8 9.043 8.542 8.042 7.548 7.051 6.547 6.063 5.561 5.597 5.8 9.075 8.574 8.074 7.582 7.086 6.582 6.097 5.595 5.619 5.501	•0000	ů ć	0 - 0	7-618	7-127	0.000) ·		5,325	0.1	
8.767 8.267 7.826 7.275 6.778 6.286 5.795 5.437 5.131 4. 8.887 E.327 7.826 7.331 6.830 6.332 5.833 5.482 5.178 4. 8.880 E.379 7.879 7.387 6.887 6.389 5.889 5.520 5.218 4. 8.927 E.427 7.926 7.430 6.937 6.439 5.939 5.554 5.517 5. 9.008 E.507 8.007 7.510 7.013 6.526 6.025 5.611 5.573 5. 9.043 E.507 8.042 7.548 7.051 6.547 6.063 5.561 5.597 5. 9.075 E.574 8.074 7.582 7.086 6.582 6.097 5.595 5.619 5.503 5.003 6.706 6.213 5.772 5.	• 0000	9	801.8	7.698	7.003	6.706	6.214	, P	5,386	.07	4.833
8.880 E.377 7.826 7.331 6.830 6.332 5.833 5.482 5.178 4. 8.880 E.379 7.879 7.387 6.887 6.389 5.889 5.520 5.218 4. 8.927 E.427 7.926 7.430 6.937 6.439 5.939 5.554 5.517 5. 9.008 E.507 B.007 7.510 7.013 6.526 6.025 5.611 5.573 5. 9.043 E.542 B.042 7.548 7.051 6.547 6.063 5.561 5.597 5. 9.075 E.574 B.074 7.582 7.086 6.582 6.097 5.595 5.619 5. 9.075 E.574 B.074 7.582 7.01 7.015 6.706 6.213 5.732 5.619 5.61			8.267		7.275	6.778	6.236	~	5.437	.13	4.885
8.980 8.379 7.879 7.387 6.887 6.389 5.889 5.520 5.218 4. 8.927 8.427 7.926 7.430 6.937 6.439 5.939 5.554 5.517 5. 9.908 8.507 8.007 7.510 7.013 6.526 6.025 5.611 5.573 5. 9.043 8.542 8.042 7.548 7.051 6.547 6.063 5.561 5.597 5. 9.075 8.574 8.074 7.582 7.086 6.582 6.097 5.595 5.619 5.501 5.507 5.		8	8.327	•	7.331	.83	6.332	æ	5.482	11	4.929
8.9927 8.427 7.926 7.430 6.937 6.439 5.939 5.554 5.517 5. 8.969 8.469 7.968 7.476 6.972 6.434 5.984 5.584 5.547 5. 9.008 8.507 8.007 7.510 7.013 6.526 6.025 5.611 5.573 5. 9.043 8.542 8.042 7.548 7.051 6.547 6.063 5.561 5.597 5. 9.075 8.574 8.074 7.582 7.086 6.582 6.097 5.595 5.619 5.	5000	8	6.379	•	7.387	æ	F.	œ.	5.520	.21	4.968
8.969 8.464 7.968 7.476 6.972 6.434 5.984 5.584 5.547 5.547 5.547 5.510 7.013 6.526 6.025 5.611 5.573 5.573 5.573 5.573 5.573 5.573 5.573 5.573 5.597 5.597 5.597 5.597 5.597 5.519 5.519 5.519 5.519 5.519 5.513 5.732 5.731 5.732 5.731 5.731 5.731 5.732 5.731 5.731 5.732 5.771 <th< td=""><td>.0000</td><td>0</td><td>8.427</td><td>• 92</td><td>7.430</td><td>68.</td><td>4</td><td><u>ن</u></td><td>5.554</td><td>51</td><td>5.003</td></th<>	.0000	0	8.427	• 92	7.430	68.	4	<u>ن</u>	5.554	51	5.003
9.008 8.507 8.007 7.510 7.013 6.526 6.025 5.611 5.573 5.5 9.043 8.542 8.042 7.548 7.051 6.547 6.063 5.561 5.597 5. 9.075 8.574 8.074 7.582 6.582 6.097 5.559 5.619 5. 9.203 8.703 8.202 7.701 7.215 6.706 6.213 5.732 5.731 5.731 5.731 5.731		8.969	8.469	•96	4	16.	4.0	• 98	5.584	40.	•
9.043 8.542 8.042 7.548 7.051 6.547 6.063 5.561 5.597 5. 9.075 8.574 8.074 7.582 7.086 6.582 6.097 5.555 5.619 5. 9.203 8.703 8.202 7.701 7.215 6.706 6.213 5.732 5.701 5.	.0000	800.6	8.507	00.	51	0.	525	0.0	19	.37	5.061
• 9.075 8.574 8.074 7.582 7.086 6.582 6.097 9.595 5.514 5.1 • 9.203 8.703 8.202 7.701 7.215 6.706 6.213 5.732 5.701 5.1	5000.	9.043	.54	4	7.548	800	in i	900	.56	9	5.086
9:203 8:703 8:202 7:701 7:215 0:700 0:215 0:704 0:015	• 0000	0	5.57	• 07	•	8	ព្	500	֓֞֜֜֜֜֝֜֜֜֝֓֓֓֓֓֓֜֜֜֜֓֓֓֓֓֓֓֓֜֜֜֓֓֓֓֓֡֓֜֜֝֡֓֡֓֡֓֡֓	5	5.108
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ATOMIC SPECIES : FE 2

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0 0 0	* * * * * * * * * * * * * * * * * * * *	***** 1.832 1.877 1.927	4 - 8 9 4 4	2.5518 2.695 2.485 2.845 2.955 2.955 2.955 2.955	3.052 3.135 3.217 3.295 3.371	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
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000	1.590 1.636 1.676 1.714	1.791 1.834 1.961 2.078	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4.662 4.785 4.899 5.005 5.101	5.443 5.589 5.719 5.945 6.133 6.216	0.400 6.604 6.604 6.832 6.934 7.006 7.079 7.204 7.258 7.258
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000.9	****	*****	***	***	* * * * * *	****	1.451	1.478	20	53	1.00	71931	1.644	1.671	1.696	1.722	1.747	1.772	1.698	1.823	1.004	1.921	1.960	2.005	2.056	2.171	2,313	2.471	2.636	2 802	3 - 1 - 6	3,251	3,391	3.522	3.803	4.045	4.257	4.474	200	4.729	9 6		0.000	י ע	75	
000	****	***	***	***	1.403	1.426	1.451	1.478	1.506	1.534	1.562	1.517	1.544	1.671	1.697	•	1.749	1.776	1 • 805	1.838	0.00	1.974	2.035	2.108	2.191	2.382	2.592	2.795	3.002	3.198	4 2 2 2 4	3.695	3,837	3,971	4.269	4.509	4.727	4.915	5.068	5,213	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	n v	•	6.246	J
4 0 0	* * * * * *	****	****	***	1.403	1.426	1.451	۰	1.506	1.534	1.562	1.530	1.544	1.671	1.698	1.725	1.754	1.787	1.826	1.874	0.000	2010	2.216	2,331	2.459	2.725	2.978	3,226	3.458	3,661	4.019	4.173	4.322	4.451	4.756	5.004	5.223	5.404	5.569	5.707	0 0 0	ָרָ מוּ	0.000	• •	6.746	•
0 0 m	**	****	1,351	50	1.400	• •	1.451	1.478	1.506	1.534	1.562	1.090	7.44	1.672	1.701	1.732	1.770	1,819	1 • 885	1.973	2.084	717.0	200	2.685	2.845	•	•	3.690	3.919	4.129	000	4.658	4.806	4.944	5.245	5.497.	5.712	5.898	6.060	6.202	\$ 2 C C C	N 10	6.545	400°	7.240	7
8 000	****	1.336	1.351	1.366	1.403	1.426	1.451	1.478	1.506	1.534		1.590	244	1.676	1.710	1.755	1.818	1.909	2.033	2.189	2.368	2000 2000 2000 2000	2.044	3.129	3,307	3.628	3.915	4.174	4.410	4.624	0.00		5.306	5.443	5.745	2.997	6.213	6.398	6.560	6.703	0.00	0400	7.045	7.405	7.740	
000	****	1.336	1,351	1.366	1.083	1.426	1.451	1.478	1.506	1.534	1.562	1.590	•	1.686	1.738	1.819	1.941	2.110		2.540	2.769	0 0 0	3.418	3.607	•	4.112	4.408		•	5.123	715.0	• •	5.806		٠	6.498	6.713	6.899	•	7.203	0000	4	7.545	7.003 1000 1000 1000	1.995	• • • • • • • • • • • • • • • • • • • •
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-1.000	1,315	1.336	1.351	1.366	1.383	1.406	1.451	1.478	1.506	1.534	1.563	1.593	1:032	1.808	2.001	2.267		2.880	3.181		٠	3.954	40101	4.590	4.774	5.110	5.407	5.671	5,909	6.123	6,318	6.687	6.806	6.944	7.245	7.498	7.713	7.899	8,061	8.204	8,331	8.444	8.546	9		9.741
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T DEG <td>3000</td> <td>*0000</td> <td>5000</td> <td>•0009</td> <td>7000°</td> <td>•0000</td> <td>10000</td> <td>1000</td> <td>12000.</td> <td>13000.</td> <td></td> <td>5000</td> <td>16000</td> <td>1 7000</td> <td>0006</td> <td></td> <td>21000.</td> <td>22000.</td> <td>23000.</td> <td>24000.</td> <td>25000.</td> <td>26000.</td> <td>27000</td> <td>• 00000</td> <td>0000</td> <td>32000</td> <td>34000</td> <td>36000.</td> <td>38000.</td> <td>40000</td> <td>42000</td> <td>• 000044</td> <td>48000</td> <td></td> <td>55000.</td> <td>•00009</td> <td>65000</td> <td>10000</td> <td>75000</td> <td>80000</td> <td>82000.</td> <td>• 00006</td> <td>95000</td> <td>100000</td> <td>125000.</td> <td>150000°</td>	3000	*0000	5000	•0009	7000°	•0000	10000	1000	12000.	13000.		5000	16000	1 7000	0006		21000.	22000.	23000.	24000.	25000.	26000.	27000	• 00000	0000	32000	34000	36000.	38000.	40000	42000	• 000044	48000		55000.	•00009	65000	10000	75000	80000	82000.	• 00006	95000	100000	125000.	150000°

ATOMIC SPECIES : FE 5

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0	1.624		9	• 62	9	. •	•62	1.524		62
$\boldsymbol{\alpha}$	1.638	ø	Q	•	1.638	•	• 63	1.638	•	• 63
-000E	1.652	•652	1.652	1.652	1 .652	•	•	1.652	•	
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0	1.677	29	.67		9	•		1.677	1.677	٠
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0	1.769	760	1.762	1.762	1.762	• •	1.762	1.762		
0000	1.777	2011	. ~	•			1.777	1.777		1.777
$\boldsymbol{\alpha}$	1.0790	.790		•79		1.790	1.790	1.790	•	•
o	1.803	.803	•		8		1.803	1.803	•	
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\mathbf{r}	F-836	835	œ ·	•	300	1,6834		1 000	1.00.4	1.034
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$\boldsymbol{\alpha}$	2.264	• 045	0	0	•89	-	1.	1.888	•	1.888
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0	3,321	•856	2.453	• 16	0		•	1.920		
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ATOMIC SPECIES : FE 7

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9 9	***	****		****	***	****	1,266	1,280	1,293	1.300	1.310	1.340	1,350	1.360	1.369	1.378	1.386	1.394	1.401	1.408	014-1	1000	1.427	1.439	1.444	1.454	1.463	1.471	1.479	1.486		1.504	1.509	1.514	1.525	9	4	4 (1.556	00 4	9 6	1.572	1.00)	1	
5.000	***	****	***		1.234	1.250	1.266	1.280	1.293	1.300	0000	1 - 340	1.350	1.350	1.369	1.378	1.386	1.394	1.401	1.408	1.410	104.	1.642	1.439	1.444	1.454	1.463	1.471	1.479	1.486	1.492	1.504	1.509	1.514	1.525	1.534	1.542	1.549	1.556	7000	0000	0 0	0000	1.899	57	•
4 • 000	***	* * * * * * * * * * * * * * * * * * * *	***	1.215	1.234	1.250	1.266	1.280	1 • 293	1.306	1.518 100	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.350	1.360	1.369	1.378	1,386	1.394	1.401	1.408	1.4.15	1754	124.1	1.439	1.444	1.454	1.463			1.486	1.492		000	1.514	1.525	1.534	1.542	1.549	1.556	1.505	0.001	S C	•	2.217	•	•
000 8	****	***	401-1	1,215	1.234	1.250	1.266	1.230	1.293	1,306	1,318	1.569	1.350	1.360	1.369	1.378	1,386	1.394	1.401	1.408	1.415	10401	1.42	0004-1	1.444	1.454	1.463	1.471	1.479	1.486	1.492	1 + 4 y 0	0000	1.514	1.525	1.534	1.542	1.550	1.557	000.	1.57d	•		2.638	1	• • •
2.000	* !	1.130	10101	1,215	1.234	1.250	1.266		1.293	1.306	1.318	625.	1.350	1.360	1.369	1,378	1.386	1.394	1.401	1.408	1.415	174.4	724.1	1.430	I . 444	1.454	1.463	1.471	1.479	1.486	1.492	1.4400	000	•	1.525	1.534	•	•		5,554	1.602	1.6655		2000) ; ;
000	*	1.130	10101	1.215	1.234	1.250	1.266	1.280	1.293		1.318	1.329	1.350	1.360		1.378	1.386	1.394	1.401	1.408		17401	1.427	1.430	1.444	1.454	1.463	1.471	1.479	1.486	1.492	864.	000	1.514	1.525	1 . 534	1.543	1.552	1.566	1.597	1.671	•	9 6	3.503		•
000	1.074	1 -1 30	401-1	1,215	1.234	1.250	1.266	1.280	1.293	1.306	1,318	1 + 329	1.350	1.360	1.369	1.378	1,386	1.394	1.401	1.408	1.415	124.1	1.427	1.430	1.444	1.454	1.463	1.471	1.479	1.486	1.492	2004	5000	1.514	1.526	1.534	1.544	1.557	1.587		1.830	2.102	2.419	4.00A	•	•
-1.000	1+074	1+130	00.	1.215	1.234	1.250	1.266	1.280	1.293	1.306	1,318	1,329	0 kg - 1	1.360	1.3.69	1.378	1.386	1.394	1.401	1.408	1.415	124-1	1.427	1.433	1.444	1.454	1.463	1.471	1.479	1.486	1.492	1.498	1 . 1004	1.514	1.525	1.535	1.546	1.572	٠		•	•			D N	076*3
2 000	0	1 - 130	•		Q	ď	1.266	1.280	1.293	1.306	1,318	1.329	3 6 6 6	096-1	2690	1.378	Ø	1.394	4	4	4	4	4	F. 4.33	. 4	3	•	1.471	4	4	4	1.498	* 00 u	ຸທຸ	1.525	1.536	1.555	1.617		ਜ਼ ਾ	ທີ	2.968	ij.	.71	? (070.0
T DEG K/LOG P≷	3000	000	• 0006	• 0000		0000	10000	1 1000	12000	13000	14000	000 100 100	0000			20000	21000	22000.	23000	24000.	25000.	26000.	27000.	28000			00004m	• 000 % n	38000	+0000	42000	44000	00000		■ 00008	• 00009	• b00019	40.000⊥	75000	80000	85000	0	•0000	100000	0 (•0000c1

ATOMIC SPECIES : FE 8

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ATOMIC SPECIES : CU H

7.000	***	***	***	***	***	***	***	***	***	2,522	59	2,665	72	ď	2,821	2,862	89	2,933	2.963	2.991	70.0	20.040	3.082	3,100	3,117	3,133	3,148	3,176	3.200	3,221	3.241	3.258	3.274	3,288	3, 314	3.325	3,352	3,377	3.405	3.437	47	3,526	58	3,649	72	. 80	4.215	4.571
0000	***			****	****	***	***	100	4	3	53	9	.72	1	82	86	88	9	5	166.2		2 6	2 6	2	=	53	41.	17	20	22	2	8 1	4	0000	3 6	32	35	39	43	49	57	67	77	89		m P	4.651	9 0 •
0000	****	***	****	****	* *	60.	2.221	2.336	2.435	2.522	2.598	2.665	2.723	2.775	2.821	2.862	2.899	2.933	2000	2.091	- C	040.6	3,082	3.100	3,117	3,133	3,148	3.176	3.200	3.221	3.241	3.258	3.274	3.290	3,319	3,333	3,376	3.438	3.526	3.647	3.789	3.949	4.112	4.265	4.417	٠	5.121	.5
4	***	*	***	****	.95	60.												2.933.	506.2	2.091	- C	040.6	200°E	3.100	3.117	3.133	3.148	3.176	3.200	3.222	3.241	3,259	Ă.	26.55	3,330	. W	3.429	•			•	•	•	•		•	5.609	00
3.000	***		1.721	82	5	600	. 22	2.336	2.435	2.522	2.598	2.655	2.723	2.775	2.821	2.862	2.899	2.933	2000	7.03	040.8	0.00	3.082	3.100	3.117	3.133	3.148	3.176	3.200	3.222	3.242	3.252	202.5	3.331	3.354	3.406	3.564	3,793	4.059	۰	٠	4.803		5.1	36	.51	6.107	00.
000 · N	****	1.669		8		9	ď	'n	4	2.522	ຜູ	9	-	2,775	85	86	89	٠,	2000	3.031	3.040	3,040	3.082	3.100	3.117	3,133	3.149	3-176	3.201	3.224	3.246	3.271	ט נ	γ α	4	54	83	4.164	•49	•78	• 05	O I	200	169	.861	0	6.606	•
1.000	***	1.669	•	1.823	1.956	•	•	•		2.522	•		.72	.77	82		٠	2,933	•	3.017	•	0.00		3.100	3,117	3,134	3.149	3.177	3,203	3.229	3.258	3.297	70000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.663	3.813	4.220	4.614	•	•	5.547	٠	000-9	6.189	• 36	2	7.107	2
00 4 0	1.654	9	7	æ	Q,	•				ຫ	2.598	Φ	2 - 723	2.175	αĎ	86	89	2.033	6969	3.017	3.040					-4	3.149	7	20	3.244	3,295	4	3 6 22	3.00	0	N	O	0	5.459		0	82	4	89.	.86	9 9	9 6	3
6 4 I	1.654	9	(A)	88.	95	60.	22	.33	4	2.522	2.598	5.665	2.723	2.775	2.821	2.862	2.899	Z 6033	0000	3.017	040 e	0 40 em	3.082	3.100	3.118	3.135	3.151	3,184	3.226	3.290	60 E	4.040	0 4 0 0	4.208	4.441	4.663	5.165	5.592		.21	6.545	• 78	9	8 1	99	ů.	E 107	90
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20000•	2.080	2.080	2.080	2.080	2.080	2.080	2.080	2.080	2.080	2.080
21000.	2.081	2.081	2.081	2.081	2.081	2.081	2.081	2.081	2.081	2.081
22000.	2.082	2.082	2.082	2.082	2.082	2.082	2.082	2.082	2.082	2.082
23000•	2.084	2.084	2.084	2.084	2.084	2.084	2.084	2.084	2.084	2.084
24000.	2.086	2.086	2.086	2.086	2.086	2.086	2.086	2.086	2.086	2.086
25000.	2.088	2.088	2.088	2.088	2.088	2.088	2.088	2.088	2.088	2.088
26000•	2.092	2.092	2.092	2.092	2.092	2.092	2.092	2.092	2.092	2,092
27000.	2.096	2.096	2.096	2.096	2.096	2.096	2.096	2.096	2.096	2,096
28000	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100
29000*	2.106	2.106	2.106	2,106	2.106	2.106	2.105	2.106	2.10.6	2.106
30000	2.113	2.113	2.112	2.112	2.112	2.112	2.112	2.112	2,112	2.112
32000.	2.129	2.128	2.128	2.128	2.128	2 128	2.128	2.128	2.128	2.128
34000•	2.149	2.149	2.148	2,148	2.148	2.148	2.148	2.148	2.148	2.148
36000	2.176	2.173	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2,172
38000.	2.213	2.203	2.200	2,199	2.199	2.199	2.199	2.199	2.199	2.199
40000	2.271	2.243	2.233	2.230	2.229	2.229	2.229	2.229	2.229	2.229
42000.	2.371	2.299	2.273	2,265	2.262	2.261	2.261	2.261	2.261	2.261
44000	2.532	2.385	2,325	2.304	2.298	2.295	2.295	2,295	2.295	2.294
46000	2.758	2.515	2.397	2.352	2,337	2.332	2.330	2.330	2.330	2,329
48000	3.027	2.695	2.498	2.412	2.380	2.370	2.367	2.366	2,365	2,365
50000	3.314	2.916	2.636	2.490	2.431	2.411	2.404	2.402	2.401	2.401
55000	4.006	3.534	3.111	2.792	2.609	2.531	2.503	2.494	2.491	2.490
•00009	4.611	4.119	3.645	3.218	2.891	2.731	2.617	2.588	2.578	2,575
65000	5.130	4.633	4.142	3,671	3.253	2.940	2.764	2.691	2.664	2,655
70000-	5.577	5.078	4.582	4.095	3.633	3.235	2.956	2.812	2.753	2, 732
75000.	5.966	5.467	4.968	4.474	3.993	3.548	3.186	2.956	2.850	2,809
80000	6.307	5.808	5.309	4.812	4.321	3.851	3.435	3.128	2,958	2,886
85000	6.610	6.110	5.610	5.112	4.617	4 135	3.686	3.318	3.083	2,968
• 00006	6.879	6.379	5.879	5,380	888	4.394	3.926	3,515	3.222	3,058
95000	7.120	6.620	6.121	5.621	5.123	4.630	• 15	3.711	3,371	3, 155
100000	7.339	6.838	6.338	5.839	5.340	4.844	4.358	3.901	3.518	3,259
125000.	8 173	7.673	7.173	9	6.1:73	5.674	.17	• 68	4.223	3,814
150000.	8.737	8.237	7.737	7.237	6.736	6.236	5.737	5.240	4.759	4.297

ATOMIC SPECIES : CU 6

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	3.100	4.202	708.7	756.4	2.001	2.6.20	2440	2.367	2.342	2,333
150000	5.982	5.482	4.582	4.484	3.991	3.511	3.071	2.719	2.501	2.402
ATOMIC SPECIES : C	ر ع ع								.	
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150000	4.534	4 038	3.548	3 079	2.664	2 359	Z 190	2 119	2 094	2.086
ATOMIC SPECIES : C	CUI		į							
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125000.	1.721	1.676	p • 661	1.656	1.654	1.653	1 • 653	1.653	1.653	1.653
150000	2 593	2.189	106.4	1.748	1.686	1.654	1.657	1.654	1.654	1,653
ATOMIC SPECIES : C	CU11									
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0.779 0.779 0.781 0.783 0.796 0.796 0.803 0.823 0.899 7.000

1.177 1.178 1.179 1.181 1.186 1.190 1.195 1.289

000		7 000 1 177 1 181 1 181	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000	0.002 0.002 0.003 0.005 0.017 0.023 0.030 0.030
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Z*000	1.302 1.302 1.302 1.303 1.303 (U10	1.0000 1.01000 1.0181	-2 000 -2 000 0 780 0 780	CU18	
T DEG KAROO DA	90000 95000 1000000 125000 15000 ATOMIC PECIES : CU	w a	ATOMIC SPECIES : CU T PEG K/LGG D8 12000.	ALOMIC SPECIES : CU	\$5000 65000 70000 70000 85000 85000 125000 15000

ATOMIC SPECIES : CUIS

ATOMIC SPECIES : CUIP

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Ionization Fractions

ATOMIC SPECIES : H	-									
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•0009	-0-131	-0.015	0.0	00.0	00.0	0	***	*	*	****
7000	-1,365	0	0.0	• 01	0.0	00.0	0	***	* * * * * * * * * * * * * * * * * * * *	***
8000	-2.714	-1,723		o e	0 0	0 0	0 0	000	***	******
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13000	-5.633	5.0	4	m	2.51	1.55	့	-0.143	-0.019	-0.003
14000	-5.731	5.18	-4.558	LL)	2.9	1.98	• 0 •	-0.323	-0.051	-0.007
15000.	-5.804	28	-4.715	-4.050	\$25	33	.41	-0.572		ė,
16000	-5.865	က်	4	-4.215	3.5	2.65	1.74	-0.849	0 (ė e
17000.	-5.921	ທີ	ক	4	3.68	2,91	2.02	-1.108	9 (.
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22000	10.145	10.04	10.140	-4-672	401.04	13.60	-2.977	2003	-1.396	-0.627
. 00002	CE C) 13	8	-4.709	-4.195	ניזו	(ייו	-2,342	-1.529	-0.748
25000	-6.269	(2)	5	-4.752	-4.233	-3.712	-3.138	-2.438	-1.647	-0.865
26000.	-6.303	-5.802	-5.292	-4.785	-4.281	(T)	m	-2.523	~	-0.977
27000.	-6.336	u,	-5.331	-4.814	-4.314	רידו.	-3.243	-2.597		-1.081
28000•	-6.368	-5.868		-4.843	-4.345	L.)	rg -	-2.662	~ .	.
29000.	-6.398	Ch.	ņ	-4.878	-4.374	m	ις. •	-2.721	വ⊹	-1.271
30000	-6.428	5,9	c.	-4.920	-4.399	ייח	77)	-2.775		-1.354
32000.	-6.484	-5.984	4		-4.460	ריז	r)	-2.869	-2.196	,
34000.	-6.537	9	S.S.	-5.029		ჟ.	ו כח	-2,950	-2.296	-1.633
	-6.586	-6.087	ព	-5.076	-4.579	-4.057	13.55	12.908	700000	11.840
38000	0000	• •	יים פונים	-2,173	14.663	7 9	יו כ	0 E O - E -	10000	-1.925
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	-6.799	-6.300	ເກ	-5.293	6	-4.230		-3.190	-2+695	-2,129
48000	-6.836	-6.337	-5.838	-5,328	-4.829	-4.333	-3.821	-3.237	-2.743	-2,185
50000	-6.872	-6.372	æ	-5.370	-4.863	-4.357	-3.855	-3.282	-2.788	-2.237
55000.	-6.955	-6.455	-5.956	-5.448	-4.953	-4.445	-3.935	-3,386	-2.895	ď
• 00009	-7.030	-6.531	-6.032	-5.527	-5.024	-4.516	-4.007	-3.479	-2.989	-2, 323
65000	-7.100	-6.600	-6.101	-5.592	-5.089	4.58	-4.074	'n	-3.072	å,
70000	-7-164	-6.665	-6.166	-5.561	7	4.65	-	3.54	3.022	Ņ,
75000.	-7.224	-6.725	Ç		-5.218	4.71	٠	3.71	-3.095	2.57
80000	-7.280	-6.781	ø	•	5.27	4.75	Ŋ.	3.66	-3.152	2.04 0.04
85000•	-7.333	-6.834	ι,	œ	5.33	4 • 31	-4.319	3.72	-3.226	2 .
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125000	7.668	-7.169	9	- P	-5.657	-5.155		-4.140	-3.022	13.047
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	-57.490	59.0B	-61,486	.47	-65.464	-67.413	***	**	***	***
•0009	-43.822	m	-47,819	-49.814	-51.802	-53.776	***	***	* * * * * * * * * * * * * * * * * * * *	***
.0007	-34.007	-36.006	138,004	40.00	-41.991	43.97	-45.923	*		***
8000	-26.607	8.60	909 061	E.	-34.594	-35.576	-38. 546	-40.425	* * * *	***
•0006	-20.829	2.85	120,820	-26.81	28.8	m (-32.767	-34.700	**	***
10000	-16.357	8.1.9	051	N -	24.15	725.140	128.121	136.003	-31°933	****
13000	-13.351	-14.625	5/9°011		-20.334	10,120	101.101	† 15	124.960	126.638
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15000.	-6.321	7.32	-8,322	õ	-10.493	·O	-13,997	-15.952	-17.880	-19.761
16000.	-5.108	-6.108	-7,108	-8,113	-9.159	-10.439	-12,225	4	-160.091	-17.980
17000.	-4.034	-5.034	-6.034	-7.035	-8.049	-9.171	-10.701	-12,587	-14.505	ů.
180000	-3.076	-4.075	-5,075	-6.075	-7.080	-8.126	-9.425	~	-13.090	-14.991
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	-0.012		-0.584	-1.457	-2.453	-3.452	-4.452	-5.473	-6.648	-8, 230
	-0.004	-0.040	-0.295	-1.030	-1.992	-2.987	-3.987	-4.998	-6.109	-7.583
27000.	-0.005	-	-0.134	-0.663	-1.568	-2.556	-3.555	-4.560	-5.630	-7.001
28000.	100.0-	0	-0.058	-0.385	-1.183	-2.156	-3.152	-4.155	-5.198	-6.479
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13000	-1.889	О	-0.247	-0.032	-0.004	-0=005	.01	-0.111	• 54	-1.328
14000	-2.641	-1.652	-0.732	-0.158	-0.019	0003	00.	-0.053	-0.313	-0.987
12000	-3.297	-2.305	-1,326	-0.481	-0.080	600 = 0	00.0	-0.026	0.18	-0.711
13000	-3,862	-2.883	-1,895	-0.945	-0.251	0.033	0	-0.015	0.10	0.49
17000	-4.340	-3,388	N	-1.430		0-101	-0.012	ġ.	90.0	34
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22000	7.252	15.710	14.328	13.686	12.639	1 565	-0.755	171	10.028	-0.045
	0000	440.4	t u	13.014	78.0	1	000.0-	-0-281	40.0	-0.037
0000	1.8.071	7.352	-5.792	4.305	1 14	12 151	-1,221	0	0.07	-0.033
2000	-9.624	-7.843	v	-4.730	m	-2 382	-1.440	-0.580	110	-0.033
27000	-10.372	-8.352	· · · ·	-5.155	-3.707	-2 597	-1.645	-0.752	0.17	-0.038
23000	-11.161	-8.921	-7.150	-5.565	-4.051	-2 813	-1,839	-0.926	. 25	-0.047
23000	-11.940	-9.560	-7.589	-5.961	604.4-	-3 048	-2.022	-1.096	0.34	-0.063
33000	-12.685	-10.236	-8.064	-6.341	-4.763	-3 307	-2.199	-1,261	. 45	-0.086
000	-14.056	-11,566	-9.154	-7.107		-3 879	OU S		0 9	-0.158
000高	-15.281	-12.783	-10,303	-7.975		4 465	066.21		*	102.01
000	-16.380	13,88	 - (-8.937	6.77	15 326	13.455	201.2	2 - 1 - 1	0.400
0000	-17,373	-14.873	-12,374	19.888	16.526	270 0-	13.920	17.400	0.00	10.304
0000	-18.274	-15.596	13.274	-11.597	-9-115	16 759	14.856	13.220	-1.878	-0.898
000	-19.851	-17,351	-14,851	-12,351	-9.856	-7 418	(1)	10	2,13	-1.065
45,000	-20.546	-18.046	-15.546	-13.046	-10.547	-8 065	-5.803	-3.967	-2.409	-1,235
43000	-21.188	-18,688	-16.188	3	-11,188	18 634	-6.314	4	2.69	-1.410
2000	-21.784	-19.284	-16.784	4	-11.784	-9 280	-6.836		O I	
0000	-23.104	-20.604	18.1	S.	3,10	060 011	-8.101	ů,	1.00	•
000	-24.226	-21.727	19.22	-16.727	-14.227	-11 718	-9.209	0 1	•	-2.589
0000	-25.196	-22,696	20	169.11-		7.1	10.17	000	0.4	10.140
0000	-26.043	-23.544		-18.544	4	-13 537	-11.031	8.50	6.01	-3,705
0000	-26.793	-24.293	2	-19.294	16.7	14 283	-11.778	-9.266	6.73	8 6
000	-27.461	-24.961	52	o o	-17.452	0.00	12.444	550.0-	9 (8 8
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	-31.413	φ.	•	-23.867	-21.368	118 862	-16,352	13.840	-11.311	18.000
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9009	-38.641	-40.72	43.1	6.03	0.0	.97	***	***	*	***
	-29.626	-31.6	3.6	5.86	8.54	1.047	4.0	***	*	* * * *
8000	-22.833	-24.83	26.	8.8	31.01	3.60	.50	9.35	*	* * * * *
000	-17.521	-19,52	ល	3.52	25.54	.72	30 . 34	3.20	*	* * * * * *
10000	-13,270	-15.24	17	9.24	21.24	3.23	25.55	8.24	1.05	***
1000	-10.022	-11.76	3.73	5.72	2.15	• 73	1.82	4 • 23	26.9	
12000	-7.832	80.5-	.82	2,78	4.78	6.78	8.80	21.0	3.58	26.1
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000	-4.762	-5.77		-8.276	.13	~	4011	6.14	8,36	20.94
500	-3.544	-4.54	-5.564	7	-8.316		2,23	4 • 23	6.36	18.80
16000	-2.477	4.6	-4.481	5,52	-6.833	œ.	57	2.57	4	16.94
000	-1.544	-2.53	-3.533	-4.548	-5.672	Ø	•12	10	3 • 12	15,33
8000	-0.771	-1.7	-2.692	-3.696	-4.744	-6.051	-7,831		1.79	13
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500	-0.116	0-	-0.021	-0.165	-0.749	-1.676		•86	• 49	٠,
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2000	-4.738	0	• 13		23	•	-0.077	-0.102	S	٠
0004	-4.867	-4.224	-3.448	. 55	-1.602		-0.153	-0.069	35	، ب
6000	-4.948	-4.367	-3.679	-2.855	-1.934	•		-0.067	Ġ.	168 0-
8000	-5.006	4	-3.842	3.09	O.	1.29	-0.471	-0.094	• 1 4	000
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000.68	-5.667	-5.167	-4.862	-4.167	-3,667	-3,166	-2.862	12,138	-1.595	-1 317
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70 00 •	-64.924	-67.927	-70.954	-74.165	-77.841	-80.000	-80.000	**	* * * * * * *	***
80,00	-52,182	-55,182	-58.184	-61.202	-64.350	-67.954	-71.841	-75.672	***	***
•0006	-42.228	-45.227	-48,226	-51.228	-54.250	-57.429	-61.047	-64.896	***	* * * * * * * * * * * * * * * * * * * *
1 0000	-34.251	-37,229	ď	-43.226	-46.228	-49.265	-52.530	-56.214	-59,990	* * * * * *
0	-27.944	-30.652	9	-36.652	-39.650	-42.656	-45,738	-49.149	-52.868	***
12000.	-23,199	-25,455	~	-31,153	-34.148	•	-40.167	755 E - E 7 -	-46.926	-50°433
13000	-19.364	-21,411	m	-26.505	-29.475	•	-35,471	_ 38_303	-41.912	-45,558
14000	-16.092	-18.101	-20.180	-22,606	9	-28.445		49e +m-	-37.668	-41,220
15000	-13,253	-15,254	-17,273	-19,426	-22.024	-24.950	-27.936	-30 039	-34.048	-37,462
16000.	-10.763	-12.762	•	-16.813	-19.118	-21,897	-24.861	-20 H53	0	-34,188
1 7000 1	-8.571	-10.559	໙ໍ	4	-16.698	-19,239	-22,143	125 124	-28.137	-31,320
18000	-6.675	-8.604	-10.596	-12.600	-14.647	-16.954	-19.732	-2Z 0 693	S	-28,791
1,9000	-5.168	-6.882	-8.839	-10.837	85	-15,005	~	O	-23.492	-26.544
20000	-4.061	-5.438	-7.270	-9.250	-11,255	-13,325	-15.719	in in m	-21.516	-24,531
21000	-3,184	-4.323	-5.896	-7.817	-9.811	-11,843	•	-16 786	-19.725	-,22,715
22000	-2,421	-3.464	-4.758	-6.530	-8.501	-10.513	-12.645	M61 61	-18.095	-21.066
23000	-1,737	-2°744	-3.864	-5.400	-7,308	-9,335	-11.377	-13,777	-16.607	-19,560
24000	-1,130	-2.105	-3.148	-4.449	-6.228	-8.202	-10.238	-12,510	-15.247	-18,185
25000.	-0.630	-1.529	-2.535	-3.679	-5,264	-7.190	-9.203	-111.370	-14.004	-16.914
26000.	-0.289	-1.02I	-1.989	-3.050	-4.428	-6.263	-8.255	-10 365	-12.870	-15,739
27000.	-0,114	-0.602	-1.495	-2,511	-3.727	-5.420	-7,380	-9.446	-11,838	-14,653
28000	-0.043	-0.307	-1.054	-2.032	-3.143	-4.656	-6.573	-8.606	-10.899	-13.646
29000	-0.016	-0.140	-0.681	-1.598	-2.647	-4.005	-5.827	-7.833	-10.045	- 12,713
30000	900.0-	090*0-	-0.397	-1.206	-2.212	-3.437	-5.143	-7.116	-9.266	-11.848
32000	0	-0.012	-0.105	-0.574	-1,463	-2,531	-3.961	-5,831	-7.892	-10,303
34000	0000-	-0.003	-0.026	-0.207	-0.855	-1,825	-3.032	-4.722	-6.712	-8,979
• 00 00 m	0000-	-0.001	-0°001	-0.065	-0.416	-1.242	-2,314	-3.782	-5.683	-7.840
38000	000.0-	00000	-0.005	-0.021	-0.171	-0.769	-1.737	-3,011	-4.779	-6.851
40000	0000-0-	-0.000	-0.001	-0.007	-0.066	-0.421	-1.257	-2,339	-3.990	-5,982
42000	00000-	00000-	-0.000	-0.003	-0.026	-0.207	-0.858	-1,882	-3,311	-5,211
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46000	629.69-	-71.679	-73.680	-75.680	-77.684	-80 000	-80.000	-80.000	-80.000	-80.000
48000	-65,560	-67.560	-69.560	-71.561	-73.563	-75 583	-77.740	-80.000	-80.000	-80,000
20000	-61.767	-63.767	-65.767	-67.767	-69.768	-71 779	-73.867	-76.321	-80.000	-80,000
00000	-53,477	-55.477	-57.477	-59.478	-61.478	-63 481	-65.502	-67.670	-70.309	-73,432
00000	-46.553	-48.553	+50.553	-52,553	-54.553	-56 554	-58.561	-60.618	-62.960	-65,842
00000	-40.680	-42.680	-44.680	-46.680	-48.680	-50 680	-52.684	-54.706	-56.866	-59,493
20002	-35,634	-37.634	-39.634	-41.634	-43.634	-45 634	-47.636	-49.647	-51.721	-54,122
75000	-31.250	-33.250	-35.250	-37.250	-39.250	-41 250	-43.252	-45.258	-47.297	-49,536
80000	-27.405	-29.405	-31.405	-33.405	-35.405	-37 406	-39.407	-41.411	-43.434	-45.577
00008	-24.005	-26.005	-28.005	-30.005	-32,005	-34 005	-36.006	-38.009	-40.024	-42,113
00000	-20.975	-22.975	-24.975	-26.975	-28.975	-30 976	-32.976	-34.979	-36.990	-39.049
00000	-18,258	-20.258	-22.258	-24,258	-26.258	-28 258	-30.259	-32,261	-34.270	-36,312
1000001	-15.807	-17.807	-19.807	-21.807	-23.807	-25 807	-27,808	-29.810	-31.817	-33,849
125000	-6.479	-8.436	-10.432	-12.432	-14.432	-16 432	-18. 432	-20.433	-22.437	-24.450
150000	-2.009	-3.052	-4.358	-6-141	-8.112	-10 109	-12.109	-14.109	-16.112	-18,121
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ATOMIC SPECIES : N 2

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\$50.00	100000	-13.199	-14.199	-15.199	-16.199	-17 199	-18.199	-19.201	-20.211	-21.279	-22,655
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-53.897 -55.897 -57.897 -59.897 -61.898 -63.993 -65.949 -68.251 -71 095 -74.68 -48.637 -56.637 -56.637 -56.640 -60 657 -62.795 -65 386 -68.69 -43.988 -45.988 -51.988 -51.988 -53.989 -55 997 -58.059 -60 425 -68 -68 -39.848 -41.848 -45.848 -47.848 -49.849 -51 853 -51 853 -58.883 -56 99 -56 99 -58 -60 425 -68	70007	-59.898		-63.898	-65.899	-67.900	-69.917	-72 050	-74.625	277 706	-80.000
-48.637 -50.637 -52.637 -54.637 -56.637 -58.640 -60.657 -62.795 -65.386 -43.988 -45.988 -47.988 -51.988 -53.989 -55.997 -58.059 -60.425 -39.848 -41.848 -43.848 -45.848 -47.848 -49.849 -51.853 -53.883 -56.092 -36.137 -38.137 -40.137 -42.137 -44.138 -46.138 -48.141 -50.157 -52.274 -32.792 -34.792 -36.792 -38.792 -40.792 -42.793 -44.795 -46.804 -48.872 -20.020 -22.020 -22.020 -28.020 -28.020 -30.020 -32.021 -34.024 -36.035 -11.432 -13.432 -15.432 -17.432 -19.432 -21.4432 -23.433 -25.434 -27.440	75000	-53.897		-57.897	-59.897	-61.898	-63.993	-65 949	-68.251	-71 095	-74.474
-43.988 -45.988 -47.988 -51.988 -53.989 -55.997 -58.059 -60.425 -39.848 -41.848 -43.848 -45.848 -47.848 -49.849 -51.853 -53.883 -56.092 -36.137 -38.137 -40.137 -42.137 -44.138 -46.138 -48.141 -50.157 -52.274 -32.792 -34.792 -36.792 -38.792 -40.772 -42.773 -44.755 -46.804 -48.872 -20.020 -22.020 -24.020 -26.020 -28.020 -30.020 -32.021 -34.024 -36.035 -11.432 -13.432 -15.432 -17.432 -19.432 -21.443 -23.433 -25.434 -27.440	80000	-48.637		-52.637	-54.637	-56.637	-58.640	-60 657	-62,795	-65 386	-68,539
-39.848 -41.848 -43.848 -45.848 -47.848 -49.849 -51 853 -53.883 -56 092 -36.137 -38.137 -40.137 -42.137 -44.138 -46.138 -48.141 -50.157 -52 274 -32.792 -34.792 -36.792 -38.792 -40.792 -42.793 -44.795 -46.804 -48 872 -20.020 -22.020 -24.020 -26.020 -28.020 -30.020 -32 021 -34.024 -36 035 -11.432 -13.432 -15.432 -17.432 -19.432 -21.432 -23.434 -27 440	85000	-43.988		-47,988	-49.988	-51.988	-53,989	-55 997	-58.059	160 425	-63, 369
-36.137 -38.137 -40.137 -42.137 -44.138 -46.138 -48.141 -50.157 -52.274 -32.792 -34.792 -36.792 -38.792 -40.792 -42.793 -44.795 -46.804 -48.872 -20.020 -22.020 -24.620 -26.020 -28.020 -30.020 -32.021 -34.024 -36.035 -11.432 -13.432 -15.432 -17.432 -19.432 -21.432 -23.433 -25.434 -27.440	00006	-39.848		-43.848	-45.848	-47.848	-49.849	-51,853	-53,883	156 092	-58.829
-32.792 -34.792 -36.792 -38.792 -40.792 -42.793 -44.795 -46.804 -48.872 -20.020 -22.020 -22.020 -22.020 -26.020 -28.020 -30.020 -32.021 -34.024 -36.035 -11.432 -13.432 -15.432 -17.432 -19.432 -21.432 -23.433 -25.434 -27.440	95000	-36.137	-38.137	-40.137	-42.137	-44.138	-46.138	-48, 141	-50.157	-52 274	-54.814
-20,020 -22,020 +24,020 -26,020 -28,020 -30,020 -32,021 -34,024 -36,035 -11,432 -13,432 -15,432 -17,432 -19,432 -21,432 -23,433 -25,434 -27,440	100000	-32.792	-34.792	-36.792	-38.792	-40.792	-42.793	-44 795	-46.804	148 872	-51.247
-11.432 -13.432 -15.432 -17.432 -19.432 -21.432 -23.433 -25.434 -27.440 -	125000	-20.020	-22.020	-24.020	-26.020	-28.020	-30.020	-32 021	-34.024	SE0 9E1	-38.096
	150000	-11.432	-13.432	-15.432	-17.432	-19.432	-21.432	-23 433	-25.434	-27 440	-29.463

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ATOMIC SPECIES

-0.033 -0.066 -0.119 -0.196 -3,139 -3,388 -3,634 -5.572 -6.268 -6.058 -7.649 -0.543 -0.677 1.064 1.180 1.290 1.393 -9.7° B 7.000 -0.006 -0.015 -0-414 -0.810 -2.635 -0.002 -0.940 -1.612 -1.785 -1.967 -2.169 -2,393 -2. P 86 -4.247 -4.887 *** -0.001 *** -1.491 -9.915 -10.852 -11.777 10.001 -0.107 -0.214 -0.366 -0.551 -0.750 -1.623 -1.758 -1.999 -2.111 -2.335 -3.212 -3.553 -3.890 -4.735 -1,136 -4.423 -13.625 -1.475 -2.882 -5.384 -8.088 -8,986 -0.002 -4.676 -5.075 -5.465 -5.862 -11.006 -12.199 -13.364 -14.522 -15.731 000 m -0.302 -1.617 -1.832 -2.023 -2.486 -2.620 -1.113 -2,346 -16.878 -0.000 -0.000 -0.044 -0.130 -2,193 -2.905 -3.073 -3.174 -3,378 -3.816 -4.256 -6.741 -7.214 -7.688 -8.834 -9.953 -0.011 -5.436 -5.908 -6.369 -6.854 -7.412 -14.534 -15.956 -17.390 -18.833 0.000-0-0000-0-0000 -0.298 -0.637 -1.025 -1.400 -2.527 -2.720 -2.888 -3.041 -3.195 -3.386 -3.594 -2.042 -9.175 -10.266 -20.244 -0.019 -0.093 -4.105 -4.660 -4.929 -8.604 -9.728 -11.638 4.000 -1.741 -3.837 -4.383 -13.101 -16.604 -18.303 -20.080 -7.629 -8.239 -9.023 -9.743 -13.102 -1.019 -5.571 -11.732 -0.000 -0.000 -0.002 -0.024 -4.231 000 -4,905 -5.245 -6.459 -23.504 -25.209 -1.960 -2,345 -2.674 -2.945 -3,169 -3,356 -3,524 -3.704 -3.929 -6.177 -7.014 -11.087 -29.847 -0.154 -0.517 -10.431 m -4.419 -4.783 -5.196 -5.614 -7.100 -7.426 -7.754 -8.100 -8.879 -9.755 -18.437 -20.474 -22.582 ***** -0.000 -0.001 -0.020 -0.191 -0.714 -1.368 -1.967 -3.264 -3.542 -3.758 -3.940 -6.015 -14.674 2.000 -33.906 -35,338 -6.762 -13.015 -13.825 -16.403 -24.631 -28,699 -30.606 -40.970 -0.000 -2.912 -4.137 -10.644 -11.471 -12,251 -26.671 -5.197 -5.694 -6.203 -6.676 -10.125 -11.198 -12.205 -15.982 -17.029 -18.039 -19.002 -19.939 -22.328 -24.824 -1.625 -4.088 -4.491 -9.129 -14.041 000 -0.000 -34.159 -3.429 -3,806 -7.925 -8.304 -8.697 -13.137 -29.646 -32.004 -36.088 -37.833 -0.810 -27.211 -7.527 -10.659 -11.291 -11.925 -12.539 -15.796 -16.954 -18.180 -19.375 -20.503 -21.579 -22.654 -23.783 -26.698 -0.741 -1.742 -2.610 -3.321 - 4 - 594 - 15 - 801 - 15 - 036 - 15 - 036 - 16 - 019 - 17 - 184 - 17 - 188 - 89 -9.081 -37.492 00000 -14.742 -29.478 -39.658 -43.336 -0.000 -4.306 -10.067 -32,327 -41.594 -0.001 -0.077 -8.641 9.0 4.1.8 5.31 2 .8 . 7 4 - 6 5 8 1. E 10.00 0000 11 7 . 4 -12.221 -13.085 -13.940 -14.753 -15.516 -16.923 -17.600 -22.314 -23.794 -25.184 -26.595 -28.121 -43.250 -46.040 -48.488 -50.656 -29.683 -31.189 -32.641 -36.375 000000 -0.115 -1.305 -2.652 -3.724 -4.559 -5.145 18.000 I -5.704 -6.023 w a DSG K/LOG 36000. 38000. 40000. 44000. 46000. 48000. 50000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000. 12000. 14000. 15000. 16000. 17000. 19000. 24000. 27000. 28000. 29000. 30000. .00007 85000. 95000. 100000. 125000. 23000. .00009 65000 .00057 21000. 22000. 26000 34000. 42000. 00006

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6 0.00	*****	* + * * * * * * * * * * * * * * * * * *	* * * *	*****	* **		0 II 0	n c	2000	1000	10.665	-0 410	-0 244	-0 143	S80 0-			0.0	0-012	000	000	010	0000	040	620.0-	-0.18G	0 4 M C	10.772	-0.987	-1.186	-1,369	-1.542	-1.716	-2.440	-3.022	-3.608	-4.2d3	-4.933	-5.644	-6.36⊓	-7,099	-7.856	7000	2.0
0 0 a • h	***	***	**	**	-4.246	-3.181	16.31	1.090	10.01	00000	-0-144	690.0-	-0.035	-0.019	-0.011	200.01	900	-0.010	-0.019	-0.037	-0.071	-0.127	-0.211	-0.323	-0.458	-0.767	0 40 · 11	11.621	-1.851	-2.076	-2,321	-2.596	12.890	13.943	-4.697	-5.545	-6.448	-7.372	-8.299	9.26	-10,253	-11.234	117.71	0.39
4	***	***	***	-4.665	-3,303	-2.229	0.50.10	10.00	0000	10.01	-0.018	-0.008	-0.004	-0.003	E00°0-	00000	210.01	-0.071	-0.147	-0.269	-0.437	-0.636	-0.850	-1.064	-1.272	-1.651	13.966	12,558	-2.895	-3.277	-3.657	-4.029	14.389	-5.716	-6.820	-7.941	-9.077	-10.268	-11.494	-12.709	-13.940	-15.170	216.01-	-24 882
000 M	***	-7.939	-5.481	-3.689	-2,327	-1.270	420.04	0.00	440.01	50.01	-0.002	-0.001	-0.001	-0.004	-0.012	0.03	-0-103	0.439	769.0-	-0.976	-1.254	-1,519	-1.766	-1.992	-2.199	-2.570	046.01	140.01 040.01	-4.310	-4.764	-5.192	-5.620	-6.087	-7.963	-9.319	-10.734	-12,199	-13.682	-15:170	-16.578	-18,154	-19.545	V 10.02-	-29.384
000 000	******	-6.979	-4.501	-2 706	-1,357	-0.449	560.0-	-0.019	600.0-	10001	0000	-0.002	-0.008	-0.035	-0.108	583.0-	0000	-1.262	-1.602	918	-2.207	-2.4HO	-2.709	-2.934	-3.157	-3.665	4. 2. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	14.02.1 15.02.1	-5.866	-6.377	-6.938	-7.569	8.238	-10.509	-12.188	-13,987	-15.752	-17.553	-19.366	-21.069	-22.623	124.031 U	125,32	-33.890
1 000	*IC * U * U * I	066 • n-	-D-510	-1.720	-0.506	-0.073	010	000	0	0 0	0.0	010	-0.071	-0.246	-0.581	-1.006	-1 * 44 C	16001	-2.571	-2.880	-3.162	-3.433	-3 019	-4.042	-4.393	-5.102	-5.758	-0.55 640	7.597	-8.348	-9.148	-9.938	<i>U</i>	13,405	-15.534	-17.612	-19.767	-21,885	-23.818	-25,555	-27 118	-28.532	-29,819	-34.850
0 0 0	-14.688	4.996	-2.515	-0.792	-0.087	-0.008	-0.001	000.0-	000.0-	0000	E 20 - 0 -	-0.130	-0.444	-0.935	-1.463	-1.963	12.419	2000	1 00 00 m	-3.866	-4.227	-4.636	-5.068	-5.492	-5.895	-6.632	-7.310	ומים א מים מים	000	-10.731	-11.618	-12,471	-13,340	-16.766	-19.184	-21.719	-24.169	-26.364	-28,313	-30.053	-31.617	-33.031	-34.318	-39.356 -42.889
- I - 000	-13.693	856.6	-1.529	-0.182	-0.010	-0.001	0000-0-	0000-0-	000.01	0000	00.00	-0.652	-1.274	-1.886	-2.447	-2.951	13.402	1000	1 4 6 6 4 1	-5.127	-5.643	-6.137	-6.597	-7.026	-7.428	-e.199	E90°5-	1110114	090001	-13.245	-14.224	-15.283	-16,432	-17.593	-23,311	-26,150	-28.658	-30.861	-32.812	-34.552	-36.116	~	-38.818	-43.855
-2.000	-12.695	666*2-	-0.632	-0.022	-0.001	000.0-	000-0-	0000-0-	-0.002	9.026	0.820	-1.555	-2.252	-2.879	-3.438	-3.936	-4.397	14.630	-6-075	16.654	-7.185	-7.673	-8.129	-8.565	9000-6-	-10.040	-11.292	-12,543	-14.806	-15.953	-17.237	-18.576	-19.876	-21.135	-27.748	-30.642	-33.156	-35,361	-37,312	-39.052	-40.616	-42.031	-43.318	-48,355 -51,888
T 0EG ~_:0G PE	3000	5000	•0009	7000.	8000	•0006	10000	11000.	12000.	13000.	1 5000	16000	17000.	18000.	19000	20000	21000.	22000	24000	25000	26000.	27000.	28000.	29000.	30000	32000.	34000	36000	• 0000	42000	44000•	46000.	48000.	50000	00000	65000	70000	75000.	80000	.0008	•00006	95000	100000	150000.

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5000	-71.535	-74.533	-77.530	-80.000	-80.000	-80.000	****	****	***	* * * * * *
0009	-53,631	-56.527	-59.513	-62.506	-65.493	-68.452	****	***	***	* * * * * *
1,000	-41.873	-44.033	-46.642	-49.569	-52,551	-55.526	-58.479	****	***	***
8000	-33,454	-35.463	-37.540	-39.957	-42.806	-45.759	-48.729	-51.616	**	* * * * *
0006	-26.895	-28.896	-30.902	-32.966	-35.340	-38.156	-41.101	-44.018	***	***
10000	-21.627	-23.627	-25.628	-27.636	-29.717	-32,143	-34.978	•	-40.730	* ** * * *
11000		-19.301	-21.301	-23,302	-25.317	-27.451	-30 *000	-32,857	-35.719	***
12000	-13.684	-15.682	-17.682	-19,681	-21.684	-23.720	-25.972	-28.663	.51	-34.121
13000	-10.635	-12.611	-14.609	-16.608	-18,608	-20.617	-22.710	ഗ	•	-30.742
14000	-8.192	+66.6 -	-11.968	-13.965	-15.964	-17.965	•	O.	4.90	N.
15000	-6.482	-7.858	069.6-	-11.668	-13,665	-15.664	-17.673	-19.784	.26	-25.002
16000	-5.203	-6.300	-7.777	-9.662	-11.648	-13.645	54	-17.693	0	-22,661
17000	-4,113	-5.134	-6.304	-7.931	-9.866	-11.858	-13,855	-15.873	œ.	-20.600
18000	-3.148	-4.153	-5.201	-6.511	-8.296	-10.255	-12.260	-14.264	-16.361	-18,782
19000	-2.285	-3.284	-4.297	-5.414	-6.940	-8.842	-10.828	-12,826	-14.874	-17.177
20000	-1.514	-2.503	-3.506	-4.546	-5.821	-7.575	-9.537	-11:529	-13,550	-15,756
21000	-0.857	-1.799	-2.794	-3.808	-4.929	-6.455	-8.370	-10.354	-12,360	-14.492
22000	-0.379	-1.175	-2.148	-3.151	-4.201	-5.524	7.317	-9.284	-11.279	-13,360
23000	-0.132	-0.659	-1.564	-2,555	-3.576	-4.747	-6.375	-8.305	-10.292	-12,338
24000	-0.042	-0.304	-1.047	-2.011	-3.017	-4.102	-5.547	-7.411	-9.386	-11.409
25000	-0.014	-0.120	-0.621	-1.516	-2.508	-3.550	-4.835	-6.595	-8,552	-10.557
26000	-0.005	-0.045	-0.319	-1.073	-2.041	-3.059	-4.231	-5.856	-7.781	-9,773
27000	+00.00-	-0.017	-0.146	-0.698	-1.613	-2,615	-3.714	-5.194	-7.069	-9.048
28000	600.0-	-0.008	-0.063	-0.410	-1.224	-2.206	-3.261	-4.608	-6.410	-8,374
29000	-0.026	-0.006	-0.028	-0.220	-0.880	-1.829	-2.857	-4.095	-5.804	-7.747
30000	-0.076	600.0-	-0.013	-0.111	-0.592	-1:481	-2.488	-3.647	-5.247	-7.161
32000	-0.396	-0.061	600.0-	-0.028	-0.220	-0.880	-1,833	-2.897	-4.283	-6.105
34000 ■	-1.012	1	-0.039	-0.012	-0.071	-0.440	-1:271	-2,281	-3,501	-5, 183
36000	-1.688		-0.170	-0.023	-0.025	-0.187	-0.805	-1.753	-2.868	-4.386
38000	-2.330	-1,341	-0.490	-0.083	-0.017	-0.075	-0.455	-1.296	-2,342	-3,708
40000	-2.955	1	-0.953	-0.255	-0.036	-0.033	-0.231	-0°907	-1.892	-3,134
42000	-3,662	ŧ	-1.449	-0.568	-0.105	-0.024	-0.112	-0.593	-1.499	-2.649
44000	-4.531	-3.034	-1.933	996 • 0-	-0.261	-0.040	-0.057	-0.362	-1.156	-2.234
46000	-5.467	1	-2.412	-1.384	-0.518	-0.092	-0.036	-0.210	-0.861	-1.873
48000	-6.4362	•	-2.929	-1.796	-0.841	-0.203	-0.039	-0.121	-0.617	-1. 555
50000	-7.201		-3.531	-2.209	-1.186	-0.385	-0.065	-0.074	-0.426	-1.274
€00055	-9.381		-5.210	-3.429	-2.062	-1.038	-0.298	-0.059	-0.155	-0.719
₩ 00009	-11.567		-6.782	-4.841	-3.088	-1.752	-0.783	-0.182	-0.075	-0.361
65000	-13,454		-8.443	-6.177	-4.259	-2,580	-1,358	-0.484	-0.101	-0.177
10000	-15.081		-10.058	-7.580	-5.387	-3.525	-1.985	-0.905	-0.235	-0.109
75000	-16,503	114	-11.490	-8.975	-6.544	-4.468	-2.705	-1.372	-0.480	-0.118
#,00008	652:21-		-12.752	-10.239	-7.733	-5.407	-3.473	-1.888	-0.797	-0.199
85000	-18.878		-13.874	-11.366	-8.850	-6.384	-4.234	-2.463	-1.154	-0.349
00006	-19,882	-	-14.880	-12,375	-9.862	-7.354	-2.006	-3.067	-1.545	-0.556
00055	-20.789		-15.788	-13,285	-10.776	-8.260	-5.801	-3.672	.97	-0.800
1 00000	-21.613	-19.113	-16.613	-14.111	-11.605	60.6	-6.588	14.284	-2.429	-1.070
125000	-24.832	-22.332	-19,832	•	-14.832	-12,329	-9.819	2.5	1.831	
150000	-27.080	-24.580	-22.080	-19.580	-17.080	-14.530	-12.077	-9.561	F 6039	14.558

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17000	-65,349	-69,370	-73.540	-78,166	-80.000	-80.300	-80.000	-80.000	-80.000	-80.000
18000	-58,773	-62.778	-66.826	-71.136	-75.920	-80.000	-80.000	-80.000	-80.000	-80.000
1 9000	-52,880	-56.880	-60.893	-65.010	-69.535	-74.436	-80.000	-80.000	-80.000	-80,000
20000		-51,564	-55.567	-59.607	-63.882	-68.634	-73.594	-80.000	-80.000	-80.000
21000.	-42,808	-46,750	-50.745	-54,758	-58.880	-63.415	-68,317	-73.294	-80.000	-80.000
22000 •	-38,587	-42,382	-46.356	-50,358	-54.409	-58.730	-63,521	-68.481	-73,457	000 000 1
23000 •		-38.443	-42.348	-46.339	-50,359	-54.530	-59,155	-64.080	-69.049	-74.050
24000	-31.682	-34.944	-38.687	-42.651	-46.656	-50.741	-55.184	-60.042	-65.001	- 69.981
25000	-28.756	-31.862	-35,363	-39,258	-43.250	-47.291	-51.575	-56,329	-61.271	-66.237
26000	-26.068	-29.108	-32,382	-36.136	-40.104	-44.122	-48,291	-52,911	-57.822	-62,777
27000	-23.582	-26.595	-29.724	-33.276	-37.190	-41,192	-45.289	-49.764	-54.626	-59.570
28000	-21.275	-24.274	-27,330	-30.677	-34.490	-38.472	-42.525	-46.868	-51,658	-56.588
29000	-19.137	-22.116	-25 .139	-28,330	-31.991	-35.939	-39.965	-44.200	-48.896	-53.808
30000	-17.171	-20.105	-23,109	-26.207	-29.688	-33,576	-37,581	-41.736	-46,326	-51.210
32000		-16.494	-19,443	-22.462	-25.653	-29,313	-33,265	-37.325	-41.701	-46.497
34000	-11.204	-13.477	-16.232	-19.204	-22,263	-25.632	-29.462	-33,468	-37.680	-42,337
36000	-8.990	-11.063	-13.471	-16.324	-19.326	-22,488	-26.105	-30.051	-34.157	-38.654
38000	-7.038	-5.048	-11.197	-13.790	-16.724	-19.781	-23.160	-26.999	-31.038	-35.384
* 00 00*	-5.323	-7.277	-9.318	-11.619	-14.401	-17,397	-20.595	-24.258	-28.246	-32.471
42000	-3.910	-5.702	-7.688	-9.80.7	-12.343	-15,262	-18,350	-21,828	-25.729	-29,862
• 0000 4	-2,855	-4.341	-6.235	-8.257	-10.561	-13,339	-16.356	-19,558	-23.447	-27.510
46000	-2.047	-3.255	-4.942	-6.910	-9.043	-11.616	-14.559	-17,731	-21,377	-25,375
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65000	-43.167	-44.175	-45.243	-46.636	-48.510	-50.739	-53.482	-56.395	160 204	-641269
10000	-38.991	-39,993	-41.004	-42.101	-43.585	-45.538	-47.918	-50.808	-54 125	-571986
75000	-38,368	-36.368	-37.370	-38,391	-39.558	-41.196	-43.283	-45.887	148 970	-521593
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85000	-29.387	-30.387	-31 .387	-32,389	-33.402	-34.519	-36.057	-38,113	-40 727	143 888
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000E6	-24.652	-25.652	-26.652	-27.652	-28.654	-29.670	-30.798	-32,371	134 505	-37,255
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85000	-67.205	-69.205	-71 +205	-73.207	-75,221	-77.337	-80 000	-80.000	-80 000	000.081
00006	-61.776	-63.776	-65.776	-67.776	-69.781	-71.822	-74 104	-76.925	-80 000	000 *081
00000	-56.911	-58.911	-60.911	-62,911	164,913	-66.929	-69 057	-71.530	-74 763	000 • 08 1
000001	-52.527	-54.527	-56.527	-58.527	-60,528	-62,535	-64 591	-66.942	-69 867	-73.401
125000	-35.808	-37,808	-39.808	-41.808	143,808	-45.809	-47 811	-49.831	-51 971	154.583
150000	-24.588	-26.588	-28.588	-30.589	-32,589	-34.589	-36 590	-38.594	-40 616	-42.748

T 086 K/LOG PE	-2 900	0 0 0 1	0 0 0 • 0	000	2.000	000 m	4 0 0	5.000	9	000 2
3600	0.0	0.0	0.0	****U#:	****	****	****	****	***	***
8	000	000.0-	0000-0-	0000+0-	0000-0-	***	****	****	***	***
0	00000	-0.000	000.0-	0000-0-	0000-0-	-0.000	****	****	***	***
0009	000.0-	-0000	-0.000	0000-0-	00000-	.00	***	***	***	* * * * *
7600	-0.04m	-0.005	-0.001	0.000	္	00	000.0-	***	***	* * * * * *
8600	-0.849	-0.206	-0.026	-0.003	-0.000	0000-0-	0000-0-	000.0-	***	**
=009 6	-2.136	-1.165	-0.374	0.00	900.0-	-0.001	-0.000	000.0-	***	***
10600	-3.224	-2.229	-1.253	-0 132	690.0-	-0.008	-0.001	000.0	000.0	****
0	-4.107	-3.125	-2.135	-1 166	-0.376	-0.057	-0.005	-0.001	000	* * * * * * *
0	-4.782	-3.857	-2.886	-1 701	-0.953	-0.258	-0.035	-0.004	000.001	-0.000
13600		-4.416	-3.505	-2 539	-1.564	-0.557	-0.139	-0.017	00	-0.00
4600	-5.521	-4.793	-3.985	-3	-2.111	-1.156	-0.377	-0.059	0	-0.001
15600	-5.974	-5.060	-4.324	13,499	-2.580	-1.622	-0.724	-0.161	10 020	-0.003
0		-5.420	-4.569	-3,815	-2,967	-2.037	-1.101	-0.347	10 052	-0.007
2	-7.442	-5.995	-4.840	-4.045	-3.271	N	-1.459	-0.598	-0 118	-0.017
9	-	-6.647	-5,262	-4.260	-3.502	-2.635	-1.780	-0.875	-0 227	-0.036
0	-8.771	-7.272	-5,801	-4.538	-3.687	-2.920	-2.058	-1.147	10 380	-0.071
	-9.348	-7.847	-6.353	-4.931	-3.886	3.10	-2.294	-1.398	I 0 860	-0.126
8	-9.881	-6.375	-6.874	-5.397	-4.133	ניו	-2.490	-1.623	0 749	-0.206
2		-8.862	-7.359	-5.858	-4.459	-3.427	-2.652	-1.818	10 932	-0.308
20	-10.839	-9.320	-7.807	9	-4.834	-3.636	-2.792	-1.988	11 103	-0.427
00	-11.471	-9.762	-8.225	•	-5.218	-3.883	-2.943	-2-134	-1 257	-0.555
25600	-12.185	-10.220	-8.624	-7 102	-5.592	-4.173	-3.088	-2.263	11 393	-0.686
20	-12.975	-10.754	-9.013	*+0+4-	-5,959	-4.485	-3.259	-2.380	-1.512	-0,815
0	-13.764	-11.384	-9.417	. 811	-6.294	-4.798	-3.462	-2.495	1 619	-0.937
2			-9.876	L8 151	-6.611	5.10	-3.694	-2.521	-1-714	-1.052
2	•		-10.406	-8.494	-6.913	-5.394	-3.945	-2.651	11.802	-1.158
9	-15.910	-13.413	-10.984	-8.869	-7.209	-5.673	-4.194	-2.802	-1.887	-1.255
8		-14.640	-12,151		-7.804	-6.195	-4.686	-3.161	-2.062	-1.431
2	-18.517	-15.769	-13.238	011	-8.490	-6.718	-5.145	-3.561	1222	-1.583
~	-20.037	-16.909	-14.241	-11,1717	-9.304	-7.239	-5.576	-3,963	12,529	-1.730
38000		-18.190	-15.215	-12,616	-10.131	-7.837	-6.001	-4.347	-2.823	-1.884
ñ	-23.013	-19.537	-16.264	-13.460	-10.923	-8.505	-6.437	-4.713	-3.131	-2,058
420001	-24.360	-20.833	-17.407	-14,312	-11.669	-9.187	-6.947	15.069	13.438	12.254
44000	-25.692	Q	-18.558	5.24	-12.400	-9.847	-7.479	-5.430	-3.737	-2.469
9	-27,110	-23,218	-19.657		-13,130	-10.477	-8.032	-5.812	-4.028	2000
48000		-24.408	-20.101	-17.193	-13.906	-11.104	-8.580	-6.225	-4.315	2. 925
0000	1 MO . 044	25.66	-21.719	-18.140	14.7	-11.714	-9.111	-6.563	-4.607	-3.153
55000	-33,405	-28.830	-24.411	-20,361	-16.756	-13,355	-10.384	-7.779	-5,395	-3. 110
■00009	-36.840	-31,756	-27.123	2.69	-18,652	5.04	-11,713	-8.846	-6.260	-3,833
65000	-40.280	-34.799	-29.676	5.0	.61	65	-13.108	-9.791	-7.124	-4.463
8	ō	-37,803	-32.324	¢ † ¢ ;	2.61	8.29	-14.484	-10.919	-7.969	-5.124
75000	-47.041	-40.749	-34.942	-29.497	-24.515	-19.972	-15.816	-12,055	-8.830	-5.788
80000	•	-43.726	-37.500	-31.773	-26.426	-21.600	-17.186	-13.163	0 - 2 20	-6.448
85000		-46.515	-40.085	-33.976	8.38	3.19	-18.560	-14.270	-10.617	-7.114
00006	55.5	E40.54-	-42.561	1	0.5	4.82	-19.903	-15.398	1 L	-7.796
00000	8	-51,332	-44.837	37	.15	• 45	-21.235	-16.527		-8.488
0000	-59.911	3.41	-46.914	ċ	4.02	28.05	22.58	-17.639	27	-9.18
2500	-68.025	1,52	-55.026	-48.527	2.0	-35.536		m	17.57	-12.649
8	73.68	-67.182	-60.683	-54.184	-47.671	-41-171	-34.671	8.23	-21.886	-16.093

2.000	* * * * * * * * * * * * * * * * * * *	-1,419 -1,096 -0,622 -0,538 -0,295 -0,295 -0,142	-0.054 -0.054 -0.053 -0.027 -0.027 -0.027 -0.027 -0.055 -0.057 -0	-11.446
0000	* * * * * * * * * * * * * * * * * * *	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100000 10000000 100000 100000 100000 100000 100000 100000 100000 1000000 100000 100000 100000 100000 100000 100000 100000 1000000 100000 100000 100000 100000 100000 100000 100000 1000000 1000000 10000000 10000000 100000000	60.9
5.000	* * * * * * * * * * * * * * * * * * *	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 100 100 100 100 100 100 100 100	1 · 3
4.000	**** 100001	10000000000000000000000000000000000000		26.76
3.000	**! **! **! **: **: **: **: **:	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 0 0 W V 10 0 10 0 4 0 W W W W W W W W W W W W W W W W	
2.000	# 4 0 \ 4 \ \ \ 4 \ \ \ \ \ \ \ \ \ \ \ \	- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	37.7
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-0.000	- 0 N B B N → 0 0 0 0 0 0 0 0 0	-0.178 -0.510 -1.472 -1.472 -1.376 -2.776 -3.139	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	œ
-1.000	1119 1119 1119 1119 1119 1119 1119 111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.26
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T DEG KÆLDG DE	M 4 M 6 F 8 6 0 1 N M 4 M 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000

GTOMIC SPECIES : F B

7.000	****	***	***	***	****	***	***	-15,667	-13,951	-12,359	-10,967	-8.653	-7.690	-6.838	-6.091	10. 874	-4.380	-3.947	-3,562	-3.214	-2,898	-2.607	-2.338	2000	11.248	-0.917	-0.646	-0.438	-0.288	-0-188	-0.085	-0.066	-0.068	-0.154	-0.333	-0.575	-0.833	-1.093	-1-667	-2.012	-2,359	-4.382	-6.773
6 0 • 9	***	*****	*****	***	****	-18.740	-16.153	-13.975	-12.134	-10.529	-9.136	-6.889	-6.012	-5.277	14.657	14 1 1 1 1 1	13.03.0	-2,851	-2.500	-2.177	-1.878	-1.602	1.348	011.0	10.431	-0.242	-0.132	-0.074	-0.046	050.01	-0.059	-0.099	-0.318	-0.671	-1.047	-1.416	-1.800	2.223	1 1 2 2 - 2 - 2 3 3 3	-3.636	-4.161	-7.126	-10.346
in 00 00	* * * * * * * * * * * * * * * * * * * *	*****	****	**************************************	-19.974	-16.821	-14.235	-12.051	-10.197	-8.625	-7.318	-5.408	-4.700	-4.090	-3.550	13,003	-2.216	-1.846	-1.507	-1.200	-0.927	-0.692	10.497	0 0 0 0 0	020-0-	-0.034	-0.022	-0.025	-0.047	001.0-	-0,339	-0.523	-1.046	-1.549	-2.047	-2.600	-3.186	-3.770	14.071	-5.800	-6.533	-10.510	-14.551
000	****	***	***	-26.952	-18.039	-14.880	-12.278	-10.115	-8.350	-6.973	15.909	-4.305	-3.653	-3.069	-2.541	11.630	-1.241	006.0-	-0.616	-0.397	-0.243	-0 - 1 45	-0.085	10000	-0.013	-0.021	-0.057	-0.144	-0.308	-0.541	-1.096	-1.370	-2.010	-2.689	-3.422	-4.144	-4.888	-5.730	7.500	-8.457	-9.434	-14.509	-19,005
3.000	***	-40.770	-31.602	-24.989	-16.058	-12.912	-10.352	-8.351	-6.898	-5.772	-4.833	-3,295	-2.650	-2.071	-1.553	10.01	-0-423	-0.230	-0.119	-0.051	-0.035	-0.017	0.010	0000	-0.0-	-0.152	-0.371	069.0-	-1.048	-1.403	-2.063	-2.384	-3.272	-4.186	-5.053	-6.006	-7.076	-8-152	10.457	-11.677	-12.898	8.91	-23.505
2.000	+****	-38.822	9.62	-23.010	-14.088	-10.986	-8.683	-7.066	-5.807	-4.746	-3.825	-2.297	-1.659	-1.104	10.00	0.000	-0.066	-0.029	-0.014	-0.007	-0.00	-0.005	010.01	70.01	10.328	-0.713	-1.159	-1.598	-2.009	10.400	-3.244	-3.711	-4.825	-5.854	-7.039	-8.336	-9.625	-10.991	-13-900	-15.371	-16.877	-23.400	-28.004
1.000	+****	-36,836	-27.640	-21.019	-12.144	-9.354	-7.478	-6.021	-4.797	-3.744	-2.019	-1.316	-0.738	-0.337	-0.130	8 0 0	-0.007	-0.003	-0.003	-0.005	-0.012	-0.033	-0.081	0 0 0	-1.089	-1.628	-2.132	-2.606	-3.094	-3.038	-4.779	-5.296	-6.500	-7.916	-9.445	-10.959	-12,610	14.332	-17.815	-19.589	-21.267	-27.898	-32,503
0 0 0	-71.157	-34.843	-25,645	-19.024	-10.465	-8.179	-6.451	-5.017	-3.797	-2,745	-1.831	-0.473	-0.160	-0.048	0.015	000	-0.002	+00.0-	-0.012	-0.037	-0.105	-0.249	10.482	10.00	12.056	-2.629	-3.193	-3.829		122.621	-6.398	-6.947	-8.565	-10.349	-12.100	-14.047	-16.048	120.000	122.177	-24.048	-25.754	-32.398	-37.003
000	-69.163	-32,846	-23.648	-17.030	19.258	-7.157	15.448	-4.016	-2.797	-1.752	10.309		-0.019	-0.005	10000	1000		-0.031	-0.104	-0.279	-0.573	10.041	11.029	1000	920.5	-3.764	-4.582	-5.431	-6.189	-2.470	-6.151	-8.923	-10.952	-12.986	-15.225	-17.527	-19.855	782.22	-26.660	-2E.543	-30.253		-41.502
0 0 8 1	-67.166	-30.847	-21.649	15.074	-8-230	-6.155	-4.448	-3.017	-1.804	-0.816	-0.222	-0.008	-0.002	-0.001	100.01	10.01	-0.072	-0.240	-0.569	-1.000	-1.453	-1.894	115.21	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-4.291	-5.299	-6.271	-7.098	-7.822	100.87	-10,351	-11,308	-13.570	-16.071	-18.706		-24.147	120.042	-31-158	-33.043	-34.753	-41.397	-46.002
T OEG <td>3000.</td> <td>5000</td> <td>•0009</td> <td>1000</td> <td>•0006</td> <td>10000</td> <td>11000.</td> <td>12000.</td> <td>13000.</td> <td>14000.</td> <td>15000</td> <td>17000</td> <td>18000.</td> <td>19000</td> <td>20000</td> <td>• 00000</td> <td>23000</td> <td>24000</td> <td>25000.</td> <td>26000.</td> <td>27000.</td> <td>28000</td> <td>• 0006Z</td> <td></td> <td>34000</td> <td>36000</td> <td>38000.</td> <td>40000</td> <td>42000</td> <td>44000</td> <td>48000</td> <td>50000</td> <td>55000.</td> <td>.00009</td> <td>6 50 00 •</td> <td>10000</td> <td>75000</td> <td>80000</td> <td>00000</td> <td>-000056</td> <td>100000</td> <td>125000.</td> <td>150000</td>	3000.	5000	•0009	1000	•0006	10000	11000.	12000.	13000.	14000.	15000	17000	18000.	19000	20000	• 00000	23000	24000	25000.	26000.	27000.	28000	• 0006Z		34000	36000	38000.	40000	42000	44000	48000	50000	55000.	.00009	6 50 00 •	10000	75000	80000	00000	-000056	100000	125000.	150000

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.0009	-62.705	-65.704	68	713	99	-77.652	*	***	***	**
.0007	-48.437	-51,393	-54.387	-57.382	37	-63,348	-66.302	**	**	***
8000	-38.442	6.19	-43.617	-46.590		∾.	-55.521	့ ဗို		*
.0006	-31.287	-33,315	-35.522	-38.201	-41.144	-44.122	-47.088	-50.009	******	****
	100.00	200.00	1 0	-26.935	. 0	-31.807	-34.730	-37.677	~	* ***
12000	-16.989	-18.988	18	-22.993	25	-27.330	-30.083		-35.912	-38.542
13000.	-13.667	-15.660	-17.660	-19.660	-21.669	-23.760	-26.208	-29.048	-31.966	-34,738
14000.	-10.867	-12.802	-14.795	-16.794	-18.796	-20.821	-23.019	-25.665	-28.553	-31, 343
15000.	669.8-	-10,362	-12,308	-14.301	-16.301	-18,308	-20.382	-22.784	-25,588	-28,382
16000.	-7.138	-8.404	-10.151	-12.114	-14.110	-16.111	-18.137	-20.347	-23.001	25
17000.	-5.883	-6.953	-8.348	-10.191	-12.171	-14.168	-16,176	-18.275	0.74	-23.477
18000.	-4.789	-5.806	-6.947	-8.524	-10.446	-12,436	-14.436	-16.480	-18.780	-21,431
19006	13.812	-4.816	-5,859	-7.148	18:915	-10.882	12.877	14.690	1001	-17.004
20000	-2.932	D D O O O	14.940	10000	7.582	4000	110.470	1011011	14.243	-16.537
21000.	12013	004	14.1.00 14.1.00	10.1.01		-6.230	SEC. 0-	-11-023	-13,048	-15.246
22000	11.8464	11.750	10000	24.74	4.808	-6-164	-7,981	19.953	1.96	-14.091
24000-	175-0-	11162	12.134	-3.134	-4.160	-5.350	-7.029	-8.972	-10.970	-13.048
25000	-0.137	-0.672	-1.579	, d	-3.581	-4.686	-6.182	-8.370	-10.056	-12,101
26000	-0.046	-0.325	-1.084	-2.051		-4.106	-5.442	-7.242	-9.212	-11.234
27000.	-0.016	-0.135	-0.667	-1.574	-2.566	-3,593	-4.804	-6.485	-8.430	-10.435
28000	900-0-	-0.053	-0.360	-1.144	-2.117	-3,129	-4.255	-5.800	-7.704	-9, 695
29000	-0.004	-0.021	-0.174	-0.772	-1.701	-2.701	-3.775	-5.185	-7.030	-9.007
30000	20000-	600.0-	-0.079	-0.475	-1,320	-2.305	-3.347	-4.640	-6.405	-8,365
32000.	-0.052	-0.007	-0.017	-0.141	-0.683	-1.595	-2,601	-3.736	-5.296	-7,201
34000.	-0.288	-0.039	-0.008	-0.037	-0.276	-0.994	-1,959	-3.014	-4.371	-6.178
36000.	-0.823	-0.155	-0.025	-0.013	460.0 -	-0.531	-1.400	-2.411	-3.615	-5,280
38000	-1.469	-0.584	-0.109	-0.015	-0.032	-0.241	-0.925	-1.888	-2.995	-4.500
40000	-2.097	-1:121	-0.346	-0.051	-0.016	-0.100	-0.551	-1.430	-2.476	-3,831
42000.	-2.701	-1.675	-0.748	-0.165	-0.024	-0.043	-0.296	-1.032	-2.027	-3.262
44000.	-3.348	-2.210	-1,218	-0.406	-0.064	-0.024	-0.148	107.0-	1.00.5	וני נגפ
46000.	-4.126	-2.746	-1.688	-0.757	-0.168	10.028	-0.074	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	-1.284	17,301
48000	000.6-	040.01	241.7	70101	10.00	0000	3 t O : O :	-0.157	102.0-	029-1-
50000	10.00	40.0	VIO. A.	11.000	144.1	10.572		, .	080.01	-1.023
22000	0000	12.416	יו טער ער ער	44.788	-2-311	1.0.1	-0-414	-0.077	-0-112	-0.558
65000	11.600	-9-110	9000	-5.047	-3.316	-1.928	-0.914	-0.238	-0.071	-0.280
20000	-13.727	-10.880	-8-367	-6.189	-4.367	7 1	45	-0.552	-0.119	-0-147
75000	-16.020	-12.724	-9.903	-7.427	-5.339	-3.571	-2.055	-0.971	-0.269	-0.104
80000	-18.179	-14.717	-11.485	-8.744	-6.352	-4.394	-2.715	-1.409	ं	-0.127
85000.	-20.118	-16,625	-13.192	-10.082		-21	-3,396	-1.880	-0.819	-0.213
• 00006	-21,858	E • 3	-14.874	-11.508	-8.579	60	-4.062	-2.396	1 - 14	-0.361
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1000001	-24.849	-21.349	-17.850	-14.362	-10.966	7.97	.47	-3.460	1.87	-0.777
125000.	-30.372	-26.872	-23,372	-19.873	-16.374	989	4	9	0	-2,163
150000.	-34.193	-30.653	-27.193	-23-693	-20.194	-16.694	-13.199	-9.734	-6.517	-3.886

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ATOMIC SPECIES

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00 ?	-80.000	-75.909	-68.433	-61.875	-56.075	-50.911	-46.297	-42.184	-38.547	-35,343	-32,491	-29.912	-27.553	-25.378	-23,364	-21.491	-19.748	-18.124	-15.228	-12,816	-10.844	-9.172	669.7-	-6.381	-5.211	-4.203	-3,376	-2.708	-1.449	-0.567	-0.142	-0.048	-0.118	-0.402	-0.887	-1.468	-2.139	-2.901	.01	-7.719
 0000	-80.000	-71.908	-64.434	-57.880	-52.095	-46.990	-42,530	-38.663	-35.26Z	-32.200	-29 43Z	-26.887	-24.542	-22,376	-20.371	-18,519	-16.819	08451-	-12.686	-10.578	-8.763	-7.155	-5.734	224 -	E33 E1	-2 792	12 164	1 618	099 01	401 01	880 01	10 167	009 01	1 241	1 984	-2 870	-3.823	-4.715	-7.590	-9.228
000	-76.509	-67.909	-60.440	-53.916	-48.252	-43.413	-39.242	-35.549	-32.220	-29.194	-26.427	+23.887	-21.552	-19.409	-17.465	-15.735	-14.221	-12.884	-10.562	-8.549	-6.775	-5.248	-4.029	-3.106	-2,365	-1.725	-1.163	-0.694	-0.102	-0.030	-0.190	-0.754	-1.537	-2.461	-3,573	-4.694	-5.690	-6.524	-9.118	-10.731
1.000	-72.510	-63.916	Ψ	-50.170	-44.857	-40.271	-36.199	-32.535	-29.216	-26.194	-23,433	-20.915	-18.644	-16.650	-14.933	-13.428	-12.068	-10.814	-8.552	-6.580	-4,945	-3.724	-2.804	-2.034	-1.358	-0.786	-0.371	-0.144	-0.022	-0.165	-0.814	-1.733	-2.841	-4.176	-5.465	-6.575	-7.480	-8.207	-10.627	-12.232
-2.000	-68.517	-59.981	-52.831	-46.904	-41.788	-37.254	-33,195	-29.534	-26.218	-23,208	-20.498	-18.124	-16.109	-14.372	-12,813	-11.381	-10.051	-8.811	-6.597	-4.829	-3.573	-2.608	-1.780	-1.061	-0.501	-0.179	-0.055	-0.020	-0.097	-0.749	-1.795	-3.068	-4.626	-6,102	-7.354	-8.352	-9.138	-9.786	-12.130	-13.732
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	10,002	0000-0-	-0.000	•	-0.027	-0.211	-0.848	-1.761	-2.699	-3,619
	610'0-	-0.002	-0.000	-0.001	-0.007	-0.064	-0.407	-1.193	-2.116	-3.041
	10,143	-0.017	-0.002	-0.000	-0.002	-0.020	-0.167	-0.733	-1.607	o N N N N N
	19510-	-0.102	-0.011	-0.001	-0.001	-0.007	-0.065	-0.407	-1.167	-2° 078
	11,193	0	-0.059	-0.006	-0.001	-0.003	-0.026	-0.204	-0-800	-1.07
	11,838	168.0-	-0.225	-0.029	-0.003	-0.005	-0.012	660.0-	-0.513	11.319
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	-4.356	14.3	-2,368	-1.389	-0.526	-0.095	-0.011		0.0	-0.252
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	7.375) u	4.386		-2.324	-1.365	-0.515	-0.091	-0.015	10.0
	-8-216	-6.686	-5.156	-3.806	-2.786	-1.837	-0.912	-0.240	-0.034	-0.021
	8.985	7.4	606.5-	-4.415	13.204	-2.244	-1.312	-0.484	-0.085	-0.021
	10.824	126	-6-586	-5.062	-3.657	-2.596	-1.673	-0.783	-0.186	-0.031
		-8.835	-7.203	-5.670	-4.176	-2.932	-1.985	-1.087	-0.345	-0.057
	112.034	569.5	-7.806	-6.228	-4.707	-3,303	-2.260	-1.367	-0.546	-0.105
	-13.141	-10.683	-8.482	-6.754	-5.210	-3.727	-2.532	-1.614	0.76	E 1 .0
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	-40.768	-34.820	-29.296	-24.167	-19.573	-15.460	-11.862	-8.638	-5,953	-3.720
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ATOMIC SPECIES : NE 3

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4	-80.000 -80.000 -80.000 -80.000 -68.8457 -68.824 -449.307 -449.307 -449.307 -449.307 -449.307 -449.307 -449.307 -449.307 -449.307 -449.307 -449.307 -449.307 -449.307 -110.244	-8.137
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K/LwG P8	-2-000	17 100	0 0 0 0	0 0 •	0 0 0 8 8	0 0 0	0 0 4	5.000	0000	0 000 e ⊢
	-69.518	-73.517	-77.517	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000
	-61,351	-65.334	-69,332	-73,332	-77.537	-80.000	-80.000	-80.000	-80.000	-80.000
	-54.296	-56.169	-62,154	-66.152	170 152	-74.157	-80.000	-80.000	-80.000	-80.000
	-48.363	-51.903	-55.813	-59.802	008 n9	-67.804	-71.853	-76.176	-80.000	-80.000
	-43,335	-46.533	-50.201	-54.148	-58.141	-62.140	-66.156	-70.316	-74.866	-80.000
	-38.904	-41.957	+45.290	-49.093	-53,067	-57.063	-61.066	-65.136	-69.508	-74.215
	-34.923	-37.937	-41.056	-44.589	-48.495	-52.483	-56.480	-60.508	-64.730	-69,336
	-31,317	-34.320	-37,358	-40.624	-44.369	-48.331	-52 .324	-56,332	-60.459	-64.937
	-28.034	-31.033	-34.045	-37,153	-40.659	-44.554	-48.538	-52.536	-56.598	-60.946
	-25.039	-28.028	-31.031	-34.072	-3 @•353	-41.112	-45.075	-49.066	-53.091	-57,325
	-22,316	-25.271	-28.268	-31,284	-34.419	-37,982	-41.896	-45.880	-49.884	-54.029
25000	-19,889	-22.741	-25.723	-28.728	-31.789	-35.153	-38.974	-45.943	-46.936	-51.017
26000	-17,791	-20.433	-23.374	-26.370	-29,397	-32.606	-36.286	-40.228	-44.212	-48,250
27000	-15,982	-18.367	-21.204	-24,186	-27.196	-30,308	-33.820	-37,712	-41.686	-45.697
28000	-14,371	-16.559	-19.212	-22.156	-04.147	-28.214	-31.567	-35.377	-39,338	-43,333
29000	-12,898	-14.978	-17.408	-20.271	-23.258	-26,287	-29.512	-33,209	-37,148	-41.130
	-11.531	-13.564	-15.804	-18,524	-21.485	-24.497	-27.634	-31.199	-35,102	-39,073
32000	-9.05B	-11.060	-13.117	-15.465	-18.270	-21.261	-24.307	-27.619	-31,393	-35,338
.	-6.901	-6.868	-10.878	-12.990	-15.506	-18.408	-21.414	-24.561	-28.138	-32,035
	-5.129	-6.93B	-8.916	-10.946	-13.178	-15.890	-18.854	-21,915	-25.289	-29,096
	-3.840	-5.297	-7.1.73	-9.168	-11.952	-13.696	-16.568	-19.582	-22.797	-26.471
	-2,869	-4.032	-5.647	-7.584	-9.607	-11,828	-14.527	-17.494	-20.609	-24.126
42000	-2.045	-3,087	-4.389	-6.168	-8.150	-10.244	-12,722	-15,612	-18.663	-22,031
	-1.319	-2.312	-3.422	-4.935	-6.840	-8.870	-11.149	-13,911	-16.912	-20,158
	-0.712	-1,632	-2.660	-3.920	-5.663	-7.644	-9.789	-12.378	-15.322	-18.478
	-0.298	-1.037	-2.013	-3.119	-4.629	-6.536	-8.600	-11.010	-13.871	-16,960
	-0.101	-0.559	-1.440	-2.469	-3.758	-5.531	-7.539	-9.800	-12,546	-15,578
.	-0.017	-0.059	-0.385	-1:189	A00.0-	-3.506	-5.291	-7.335	-9.731	-12,596
	-0.189	-0.028	-0.053	-0.350	-1 132		-3,551	-5.409	-7.550	-10,157
	-0.913	-0.234	-0.036	-0.064	-0 404	-1.226	-2.323	-3.863	-5.834	-8.174
	-1.892	-0.886	-0.221	-0.038	-0 100	-0.548	-1.453	-2.684	-4.432	-6.573
_	-3.127	-1.747	-0.756	-0.167	-0 041	-0.183	-0.800	-1.825	-3.292	-5.262
	-4.650	-2.824	-1.488	-0.558	-0 104	-0.063	-0.362	-1.178	-2.399	-4.167
	-6.206	-4.139	-2.385	-1.149	_0 134 ₪	-0.063	-0.142	-0.688	-1.715	-3,252
_	-7.882	-5.493	-3.48B	-1.866	-0.773	-0.171	690.0-	-0.354	-1.184	-2.503
	-9.578	-6.915	-4.653	-2.749	FCF. 1-	-0.424	-0.082	-0.170	-0.771	-1.901
_	-11.097	-6.395	-5.846	-3.730	16.588	-0.806	-0.181	-0.093	-0.467	-1.419
	-16.461	-13.947	-11.406	-8.809	-6.195	•	-2.013	-0.733	-0.162	-0.217
	-20.021	-17.520	-15.016	-12.503	896.6-	-7,389	-4.858	-2.712	-1.101	-0.269

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J	-75.848 -69.032 -62.901	-80.000 -73.085 -66.915	-80.000 -77.418 -71.035	-80.000 -80.000 -75.568	-80 000 -80 000	-80.000 -80.000	180.000	180.000	180.000	-80.000 -80.000
1	57.349	-61.352	-65.390	-69.656	-74=401	-80.300	-80 • 000	-80.000	-80.000	-80.000
1 1	52.294	156.293	-60.305	-64.413	676 89-	-68-751	-50.000	180.000	-80-000	180.000
	43.469	-47.424	-51.421	-55-436	-59 571	-64.135	-69.048	-74.030	-80.000	-80.000
,	39.673	-43.524	+47.507	-51.511	-55 572	-59.936	-64.756	-69.724	-74.712	-80.000
1	36,308	-39.950	-43.891	-47.887	-51 914	-56,123	-60.802	-65.743	-70.722	-,75.749
ł	33,325	-36.710	-40.548	-44.529	-48 540	-52.651	-57.163	-62.054	-67.024	-72.024
j	30.624	-33.811	-37.465	-41.409	-45 409	-49.467	-53.819	-58.528	-63.585	-68.570
j	28.134	-31.214	-34.644	-38.506	-42 493	-46.522	-50.747	-55.443	-60.378	-65,351
j	25.816	-28.849	-32,089	-35.809	-39#770	-43.782	-47.918	-52,482	-57.382	-62,344
•	21,617	-24.619	-27.676	-31.024	-34 839	-38.820	-42,865	-47.177	-51.947	-56.885
1	17.934	-20.901	-23.910	-27.022	-30 538	-34.440	-38.446	-42.592	-47.167	-52.056
į	14.801	-17.610	-20.588	-23.618	-26 850	-30.562	-34.525	-38.585	-42,957	-47.758
1	12.292	-14.748	-17.625	-20.620	-23 704	-27.148	-31.019	-35.032	-39.245	-43,913
,1	10 -219	-12,382	-14.997	-17.934	-20 957	-24.178	-27.877	-31.843	-35,955	-40.467
	-8.395	-10.438	-12.739	-15.519	-18 500	-21,595	-25.072	-28.962	-33,010	-37,373
	-6.758	-8.752	-10.861	-13,375	-16=279	-19,309	-22.588	-26,349	-30 - 348	-34.590
	-5.317	-7.237	-9.265	-11.525	-14=267	-17.249	-20.394	-23.982	-27,924	-32.076
	-4.135	-5.875	-7.850	-9,956	-12 456	-15,373	-18.437	-21.847	-25,706	-29.791
	-3.230	-4.688	-6.568	-8.597	-10 887	-13.660	-16.667	-19,927	-23.672	-27.701
	-1.591	-2.632	-3.959	-5.762	-7 781	-10.079	-12,865	-15.908	-19.302	-23,165
	-0.454	-1.293	-2.318	-3.615	-5 398	-7.434	-9.816	-12.674	-15,814	-19.418
	-0.061	-0.382	-1.184	-2.213	-3 552	-5.374	-7.471	-10.011	-12,981	-16.318
	-0.074	-0.068	-0.402	-1.220	L2 281	-3.729	-5,635	-7.856	-10.612	-13.751
	-0.465	-C.084	-0.092	-0.503	11=377	-2.519	-4.136	-6.161	-8.627	-11,595
	-1.247	-0.416	-0.079	-0.148	469 = 0	-1.652	-2.952	-4.768	186.9-	-9.754
	-2.160	-1.074	-0.314	-0.075	-0=269	-0.989	-2.068	-3.613	-5.640	-8.175
	-3,298	-1.852	-0.828	-0.199	104	-0.532	-1,399	-2.684	-4.514	-6.831
	-4.581	-2.788	-1.473	-0.551	-0 119	-0.218	-0.876	-1.963	-3.564	-5.692
	-5.802	-3.878	-2.218	-1.058	-0 302	-0.115	-0.489	-1.400	-2.773	-4.724
	601.6-	-8.121	-6.424	-4.604	-2 794	-1.370	-0.458	-0.162	-0.586	-1.638
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000 • 0	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-73.430	-66.861	-61.087	-55.949	-51,332	-47,157	-43.366	-39,922	-36.798	-33.969	-27,959	-23.063	-18,991	-15.636	-12,880	-10.564	-8.593	-6.937	-5.563	014.4-	906.0-	-0.122	
4: 0	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-75.419	-68. 120	-61.716	-56.027	-50.937	-46.366	-42.268	-38.606	-35,334	-32.389	-29.709	-23,916	-19.206	-15.452	-12.405	-9.855	-7.748	-6.048	-4.652	-3.476	-2.498	-0.204	-0.408	
3.000	-80.000	-80.300	-80.000	-80.000	-80.000	-74.260	-70.282	-63.075	-56.710	-51.064	-46.066	-41.668	-37.791	-34.327	-31,190	-28.325	-25.702	-20.131	-15,824	-12,355	-9.500	-7.238	-5.449	-3.969	-2,754	-1.817	-1.124	-0.124	-1.205	
2.000	-80.000	-80.000	-80.000	-78.023	-73.471	-69,231	-65.271	-58.094	-51.809	-46.353	-41.622	-37.447	-33,696	-30.297	-27.208	-24.418	-21,928	-16.833	-12.788	-9.533	-7.052	-5.096	-3.490	-2.249	-1,357	-0.718	-0.312	-0.571	-2.147	
1.000	-80.000	-80.000	-77.900	-73.013	-68.471	-64.245	-60.310	-53.280	-47.293	-42,120	-37.538	-33.424	-29.715	-26.393	-23.465	-20.908	-18.639	-13.814	-10.005	-7.194	-4.990	-3.222	-1.944	-1.056	-0.452	-0.151	690.0-	-1.448	-3.054	
-0.000	-80.000	-78.169	-72.904	-68.032	-63.528	-59.382	-55.590	-48.931	-43.180	-38.091	-33,543	-29.487	-25.935	-22.879	-20.206	-17.802	-15,610	-11.0111	-7.708	-5.165	-3.173	-1.811	-0.875	-0.294	-0.081	-0.074	-0.231	-2.425	-3,852	
-1.000	-80.000	-73.186	-67.963	-63.194	-58.874	-54.952	-51.350	-44.874	-39.171	-34.112	-29.667	-25.872	-22.634	-19.769	-17.178	-14.827	-12.730	-8.684	5.684	-3.363	-1.838	-0.803	-0.213	-0.054	-0-106	-0.390	668-0-	-3.397	-4.514	
000	-73.916	-68,335	-63.321	-58.809	-54.687	-50.872	-47,317	-40.872	-35.204				-19.591	-16.776		-12.088	-10.272	-6.643	13.844	-2.042	-0.844	-0-184	440.0-	-0-141	-0.554	-19191	-1.846		-5.081	
T WAS K/LOS PE	24000	25000	26000	27000	28000	29000	30000	32000	34,00	36,00	38,00	0000	42,00	00044	00004	48,00	00 00	00499	00409	00499	10,00	75400	804,00	00 46 8	00,406	00 35 00	00,00	25,00	50,00	

ATOMIC SPECIES : NE 9

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5_300 6		-80.000 -80											-36,715 -41								-9.569 -12	-3.470 -5.	-0.931 -2.
رن 000 4	000 -80.000		·		682 -80.000	471 -75.437	887 -69.775	872 -64.632			558 -51.817	479 -43.522					1113 -18,929	474 -16.019	240 -13,525	-8.313 -11.400	-6.658 -9.	-1.768 -3.	-0.220 -0.
# 000 E	000-08-000	000 -80 000		629 -80.000		•		594 -58.872	220 -54.364	220 -50.284	551 -46.558					665 -18.282	814 -15,113	-9.395 -12.474	-7.343 -10.240	-5.655 -8.	-4.284 -6.	-0.688 -1.	-0.028 -0.
2.000 3.	000 -80.300	000 -80 000		917 -76.629		552 -63.773	316 -58.410	563 -53.594	238 -49.220	313 -45.220					689 -18.137	•	855 -11.814			-3.556 -5.	-2.472 -4.		
•000	000 -80.000	000 -80 000		684 -70.917	•	529 -58.552	335 -53,316	659 -48,563	495 -44.238	803 -40,313	488 -36.778	377 -29,396					309 -8.855	48.1 -6.675	041 -4.945	·		016 -0.137	000 -0.003
0000	000 -80.000	806 -80.000		655 -65.684	·	593 -53,529	555 -48.335	146 -43.659	236 -39,495	697 -35,803	459 -32.488		360 -19.657		810 -11.627	238 -8.649	240 -6.309	720 -4.481	670 -3.041		391 -1,229	002 -0.016	Ť
0000	000 - 80 000	749 -75.806		676 60.655	,	977 -48,593	253 -43,555	036 -39.146		722 -31.697		247 -21.574				230 -6.238	578 -4.240	480 -2.720	694 -1,670	228 -0.911		000 -0.005	000 - 0 000
1	772 -80.000	747 -70.749		868 -55.676			211 -39.253	043 -35.036		_		206 -18,247					·	567 -1.480	143 -0.694	029 -0.228		000 - 0000	•
	-14.172	-65.747	-57.799	-50.868	-44.955	-39,815	-35.211	-31.043	-27.288	-23,983	-21.121	-15.206	-10.496	-7.073	-4.482	-2.611	-1.409	-0.567	-0.143	-0.029	900.0-	0000-	000*0-
T 056 4/L06 PS	30000	0000	0000	36000	38000	40000	42000	000044	46000	48000	50000	55000	00009	65000	10000	75000	80000	85000	00006	00006	100000	125000	150000

LOG % THE JONIZATION FRECTION

ATOMIC SPECIES : NE10

0000	-80 000 -80 000 -80 000 -80 000 -76 986 -71 524 -51 283	000	-80.000
000	-80.00080.00080.00071.79971.86265.57647.233	000000	-80.000 -
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0 0 4	-80 000 -80 000 -74 920 -68 686 -63 176 -53 176 -41 110	<i>o</i> <i>o</i> •	-80 • 000 -68 • 855
000 m	-80.000 -80.000 -77.757 -70.841 -54.789 -54.920 -39.029	0 0 m	-80 • 00 o
2,000	-80.000 -73.799 -67.121 -61.391 -56.419 -52.108	000°Z	-80.000 -64.mm
1 000	-80.000 -77.684 -70.253 -63.928 -58.486 -53.851 -49.864 -36.357	000	-80.000 -6z.385
8000	-80.000 -74.273 -67.183 -61.166 -56.115 -56.115 -48.027 -35.343	0000	-77.905
000	-80.000 -71.265 -64.521 -55.926 -54.140 -46.694 -34.341 -26.109	0000.1	-75.903 -58.335
-2.000	-76.331 -68.646 -62.352 -57.013 -52.888 -48.892 -45.642 -33.341 -25.109	000 81 1	-73,903 -56,335
T OEG K/EDO PA	70000# 75000# 80000# 950004 950004 1250004 150000# 150000#	T DSG <td>125000.</td>	125000.

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PICALC SPECIES

ATOMIC SPECIES : NA 2

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7 000 • L	****** ******* ******* 142.859	- 25. 401 - 25. 439 - 27. 449 - 27. 449 - 23. 494 - 21. 803	-18,869 -17,587 -16,407 -15,318 -14,309 -13,372	-12.499 -11.683 -10.919 -9.528 -7.196	15.349 13.349 13.382 12.908 12.500 12.500 11.036 10.574	-0.149 -0.098 -0.105 -0.279 -0.434 -1.412
0000	****** 	-36.911 -33.455 -30.450 -25.474 -25.474 -21.517 -19.827	-15.893 -15.609 -14.429 -13.339 -12.330	-10.518 -9.703 -8.939 -7.554 -6.341 -5.291		-0.093 -0.205 -0.406 -0
000 s	1	-34.94 -31.484 -25.8477 -23.498 -21.412 -19.539	-14.910 -13.626 -12.444 -11.354 -10.345	-8.537 -7.728 -6.977 -5.653 -4.577 -3.730	1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	-0.450 -1.0.808 -1.179 -1.548 -1.936 -2.357 -4.812
• • • • • • • • • • • • • • • • • • • •	******* -73.856 -64.262 -47.369 -41.369	-32.955 -29.497 -26.489 -21.509 -19.425 -17.548 -117.548	-112.917 -111.633 -10.453 -9.365 -8.362	-6.599 -5.845 -5.181 -4.110 -2.594 -1.995	11.467 10.008 10.0083 10.0095 10.0095 10.0097 10.0097	-1.266 -1.748 -2.255 -2.804 -3.364 -7.354
3.000	-80°000 -71.861 -60.860 -52.273 -45.879 -39 118	-30.952 -27.504 -24.495 -21.504 -11.516 -13.860 -12.323	-10.922 -9.641 -8.471 -7.409 -6.462	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	00000000000000000000000000000000000000	-2 327 -3 015 -4 393 -5 113 -5 915 -10 467
2.000	-80 000 -69 368 -58 366 -50 278 -50 278 -37 721	-28.965 -25.506 -22.497 -17.516 -17.516 -13.554 -11.862	-8.939 -7.692 -6.603 -5.691 -4.942	-3.762 -3.262 -2.801 -1.973 -1.257 -0.678	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3.761 -4.593 -5.415 -6.341 -7.347 -8.371
0	-80.000 -67.871 -56.868 -48.280 -41.385 -35.723	-26,967 -23,507 -20,499 -17,856 -15,517 -13,430 -11,557 -9,873	-7.071 -6.008 -5.159 -4.451 -3.828	-2.738 -1.802 -1.011 -0.432 -0.139	-0.014 -0.012 -0.034 -0.279 -0.561 -1.467 -2.359 -3.351 -4.429	-5.401 -6.399 -7.548 -8.743 -9.955 -11.256
000	-65.872 -54.869 -146.281 -139.386 -283.724	-24,967 -21,508 -118,499 -113,517 -113,517 -9,578 -7,964 -6,648	-5.628 -4.798 -3.418 -2.815	11.743 10.859 10.285 10.069 10.017	-0.020 -0.079 -0.252 -0.579 -1.438 -2.488 -3.665 -6.102	-7.295 -8.665 -10.046 -11.482 -13.046 -14.637 -23.014
000	180 163 180 180 181 181 181 181 181 181 181 181	112-2-3667 1116-3667 1116-3667 1116-3688 1116-3688 1116-3688 116-3	13.043 12.416 11.820	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-9.633 -11.214 -12.898 -12.724 -18.539 -18.390 -28.244
000 • 8	- 76 . 491 - 61 . 873 - 50 . 870 - 42 . 282 - 35 . 724 - 24 . 989		13.533 12.768 12.067 11.431 10.875		10.730 11.318 12.458 13.002 13.509 15.437 17.037 18.588	-12.201 -14.140 -16.231 -18.285 -20.424 -22.660 -33.705
T OEG K/LOG PE	60000 80000 100000 110000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	220000 240000 250000 270000	8 4 4 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4 4 4 4 4 10 10 0 0 b	7 2 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

ATOMIC SPECIES : NA 5

1	182-82	1E7.97-	-80.000	-80 000	-80,000	-80.000	-80.000	-80.000	-80.000	**
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ı	Φ,	-57.834	. 0	-63 833	-66.831	-69.826	-72.816	-75.792	-80.000	-80.000
1		-50.532	-53.532	-56 531	-59.529	-62,526	-65.516	-68.496	-71.450	-74.399
1	•	44.2	-47.254	-50=254	-53.252	4	-59.241	-62.222	-65.179	-68,128
ł		-38.798	-41.798	-44= 797	-47.796	-50.793	-53.785	-56.768	-59.728	-62.675
į	-31.015	-34.009	-37.008	-40 = 008	-43.006	-46.004	-48.997	-51.981	-54.944	-57,892
1		-29.775	-32.770	-35 769	-38.768	-41.765	-44.759	-47.744	-50.710	-53.659
1		-26.029	+28.994	-31 989	-34.988	-37.98.6	-40.980	-43.967		-49.886
1		-22.786	+25.620	-28 599	-31.596	-34.593	-37.588	-40.576	4	-46.500
ı		-20.095	-22.636	-25 545	-28.534	-31,531	-34.526	-37.514	-40.486	-43.443
ŧ		-17.834	-20.077	-22 799	-25.758	-28,752	-31.747	-34.736	-37,710	-40.668
ı		-15.839	-17.924	-20 367	-23.235	-26.218	-29.212	-32.202	-35.178	-38,137
j	-12.027	-14.029	-16.057	-18 267	-20.951	-23.900	-26.891	-29.881	-32 858	-35,819
1	-10.373	-12.371	-14.380	-16 465	-18,908	-21.176	-24.757	-27.747	-30.725	-33,688
	-8.857	-10.842	-12.844	-14=877	-17.117	-19.834	-22.789	-25.777	-28.757	-31.721
	-7.487	-9.432	-11.427	-13=440	-15.554	-18.073	-20.972	-23.953	-26.934	-29,899
	-6.303	-8.134	-10.114	-12=117	-14.169	-16.497	-19.294	-22.261	-25.240	-28,208
	-5.340	096.9-	-8.895	-10 890	-12,913	-15.100	-17.750	-20.68.6	-23.663	-26.632
	-4.566	-5.938	-7.768	-9 748	-1.1.757	-13.856	-16.339	-19.220	-22.191	-25.160
	-3.906	-5.090	-6.739	-8 682	-10.681	-12.732	-15.060	-17.854	-20.813	-23.782
	-2.765	-3.799	-5.045	-6 772	-8.733	-10.744	-12.869	-15.412	-18,309	-21.273
	-1.776	-2.776	-3.836	-5 200	-7.025	-0.007	-11.049	-13.342	-16.103	-19.048
	-0.934	-1.887	-2.897	-4 019	-5.558	-7.468	424-6-	-11.609	-14.167	-17.063
	-0.344	-1.117	-2.090	-3_122	-4.375	-6.109	-8.077	-10.132	-12.485	-15.287
	060.0-	-0.517	-1.380	-2=374	-3.468	-4.941	-6.826	-8.839	-11.038	-13.698
	-0.022	-0.178	-0.782	-1=716	-2.742	-3.986	-5.711	-7.683	-9.786	-12,284
	-0.008	-0.052	-0.356	-1=138	-2.121	-3.228	-4.736	-6.639	-8.684	-11.032
	-0.015	-0.017	-0.133	-0 661	-1.571	-2.607	-3,912	-5.696	-7.697	-9.926
	-0.059	-0.011	-0.046	-0 325	-1.086	-2.073	-3.234	-4.852	-6.803	-8.947
	-0.203	-0.027	-0.019	-0 140	-0.681	-1.600	-2.674	-4.112	-5.987	-8.070
	-1.165	-0.372	-0.057	-0 021	-0.132	-0.658	-1.578	-2.700	-4.260	-6.212
	-2.318	-1.298	-0.458	-0 076	-0.028	-0.171	-0.766	-1.728	-2,969	-4.708
	-3.673	-2.312	-1.273	-0 439	-0.074	40.	-0.274	-0.997	-2.047	-3.504
	-5.342	-3.529	-2,154	-1 121	-0.344	-0.058	-0.085	-0.479	-1,355	-2.577
	-6.903	-4.966	-3.194	-1 872	-0.878	-0.219	-0.052	-0.196	AL.	-1.874
	-8.462	-6.311	-4.411	-2=724	-1.502	-0.588	-0.117	-0.086	-0.448	-1.328
1	10.080	-7.643	-5.570	-3= 725	-2.179	-1.079	-0.318	-0.074	-0.227	-0.898
١	-11.651	-5.048	-6.693	-4-721	-2,966	-1.612	-0.654	-0.142	-0.124	-0.574
1	13,336	-10.433	-7.888	9	-3.801	-2.201	-1.058	-0.307	-0.09 7	-0.353
1	-15.154	1.87	660.6-	-6 550	-4.602	.85	-1.494		.13	-0.220
1	24.562	0	-15.870	-12 163	-8.946	-6.278	-4.082	-2.359	-1.086	-0,332
ł	0	-27.350	CAR. 00-	488	400-41-	-10.323	721.7-	4 4 4	0	-1.184

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4.000	-80,000 -80,000 -62,573 -62,573 -58,082 -50,242 -44,5628 -31,988 -31,067 -116,078 -116,078 -127,360 -144,755 -116,078 -116,078 -10,078 -10,078 -10,078 -10,078 -10,078 -10,078 -10,078 -10,078	-4.038
3.000	- 600 - 75, 152 - 69, 028 - 69, 028 - 69, 028 - 69, 028 - 69, 028 - 75, 152 - 69, 028 - 75, 152 - 75, 152 - 75, 152 - 75, 153 - 75	-6.397
2.000		-9.243
1.000	-80.000 -74.029 -67.156 -61.032 -55.596 -46.136 -42.144 -33.509 -32.717 -32.717 -32.717 -32.717 -32.717 -32.717 -32.717 -32.717 -32.717 -32.626 -72.626 -72.626 -72.626 -72.626 -72.626 -72.6296 -72.636 -72.6	-12,564
000.01	-77.801 -77.801 -57.030 -57.030 -57.030 -57.030 -25.687 -22.687 -12.987 -10.854 -15.537 -10.854 -15.987 -10.924 -0.924 -0.924 -0.079 -1.038 -1.038 -1.038 -1.038 -1.038 -1.038 -1.038 -1.038	-16.046
-1.000	100 100	-19.546
12.000	69 302 337 400 328	-23.047
T DSG K/LOG PE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10000

ATOMIC SPECIES : NA 7

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5.000	- 800.000 - 800.000 - 800.000 - 76.769 - 7	
4 • 000	-800.000 -800.000 -800.000 -800.000 -800.000 -71.785 -77.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478 -67.478	
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T NEG K/LOG PE	11	

PTUMIC SPECIES : NA 8

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6.000	-80.000	-80.000	-80.000	-80.000	-80.00	-80.000	-80.000	-80.000	-71.987	-66.311	-61.260	-56.738	-52.656	-48.940	-45.538	-42.408	-35.608	-30 - 060	-25,510	-21.688	-18,425	-15.643	-13.284	-11.270	-9.523	-8.000	-3.035	-0.820
5.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-72.624	-66.436	-60.965	-56.066	-51.640	-47.615	-43.944	-40.592	-37.537	-31.052	-25.823	-21.463	-17.814	-14.798	-12,283	-10.134	-8.292	-6.739	-5.444	-1.472	-0.189
4.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-74 - 153	-67.334	-61.304	-55.912	-51.056	-46.670	-42.714	-39,161	-35,975	-33,100	-26.931	-21.861	-17.741	-14,421	-11.655	-9.315	-7.381	-5.810	-4.505	-3.408	-0.497	-0.218
3.000	-80,000	000708-	-80,000	-80, 300	-80 000	-76.670	-69,029	-62,293	-56, 239	-50,945	-46, 171	-41,946	-38.207	-34,857	-31,815	-29,027	-23,011	-18,257	-14,512	-11,394	-8,824	-6.788	-5,148	-3,786	-2,690	-1,358	-0,107	-0.390
2.000	-80.000	-80.000	-80.000	-80.000	-75.808	-71,619	-64.019	-57,311	-51,389	-46,211	-41.699	-37,703	-34,101	-30.821	-27.828	-25.108	-19.486	-15.124	-11.541	-8.681	-6.484	-4.708	-3.268	-2.191	-1.402	-0.802	-0.243	-2.149
1,000	-80,000	-80,000	-80,000	-75,274	-70,799	-66,520	-59,057	-52,486	-46,850	-41,958	-37, 605	-33,676	-30,117	-26, 911	-24,067	-21,567	-16,375	-12,172	-8, 907	-64 129	-4. 484	-24950	-1.371	-1,079	-0+503	-0-184	-0.349	-3, 319
000*0-	-80.000	-80.000	-75.072	-20.279	-65.819	-61.677	-54,331	-48.122	-42.728	-37.926	-33,611	-29.743	-26.336	-23,383	-20.788	-18.446	-13.410	-9.554	-6.741	965.5-	-2.822	-1.693	-0.859	-0.313	-0.092	-0.063	-2.151	-5.826
-1.000	-80.000	-75.236	E50.02-	-65.344	066:09-	-57.028	-50.085	-44.062	-38,719	-33,953	-29.748	-26.138	-23.032	-20.267	-17,753	-15,454	-10.726	-7.395	-4.782	-2.882	-1.642	-0.734	-0.208	-0.055	-0.084	-0.316	-3.877	-7.662
-2.000	-75.810	-70.292	-65.261	-60.724	-56.617	-52,844	-46.051	-40.062	-34.766	-30.180	-26,321	-22,982	-19,988	-17,265	-14.800	-12,631	-8,519	-5.415	-3.150	-1.730	-0.703	-0.159	-0.040	-0.115	694.0-	-1.086	-5.823	-9.364
T DEG KALDG PE	25000	26000	27000	28000	29000	30000	32000	34000	36000	38000	40000	42000	44000	46000	48000	50000	55000	00009	65000	70000	75000	80000	85000	00006	95000	100000	125000	150000

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•	•	-80.000	-80.000	-80.300	-80.000	-80.000	-80.000	-80.00
		-73.345	-80.000	-80.000	-80 • 000	-80.000	-80.000	-80.000
-	-61.420 -66	-66.453	-71.705	-77.439	-80.000	-80.000	-80.000	180.000
	-55,303 -60	-60.298	-65,391	-70.864	-76.748	-80.000	-80.000	-80.00
	-48.804 -54	-54.738	-59.764	-65.007	-70.731	-76.701	-80.000	-80.000
	·	-49.695	-54.678	-59.784	-65.291	-71.192	-77.231	000 08 I
-36.488 -40	-40.605 -45	-45.133	-50.042	-55.078	-60.382	-66.164	-72.160	-80.00
-32,730 -36	-36.766 -41	-41.044	-45.805	-50.792	-55,953	-61,568	-67.513	- 78. 69Z
-29.287 -33	-33.279 -37	-37.400	-41.941	-46.859	-51.932	-57,369	-63.239	-69,307
-22.057 -25	-25.742 -29	-29.706	-33.817	-38.342	-43.262	-48.383	-53,937	-59.877
-16.638 -19	-19.797 -23	-23,415	-27.367	-31.510	-36.104	-41.065	-46.301	-52.03
		-18,380	-22,014	-25,985	-30.214	-34.935	-39.982	-45.429
-8.835 -11	-11.448 -14	-14.411	-17.633	-21.347	-25.374	-29.766	-34.639	-39,851
-6.274 -8	-8.454 -11	-11.116	-14.116	-17.455	-21.287	-25.430	-30.056	-35.097
		-8.423	-11.181	-14.261	-17.788	-21.756	-26.115	-30.98
-2.657 -4	-4.307 -6	-6.320	-8.716	-11.597	-14.829	-18.582	-22,732	-27.396
		-4.614	-6.726	-9.321	-12.344	-15,826	-19.804	-24.248
-0.800 -1	-1.807 -3	-3.218	-5.118	-7.406	-10.220	-13.455	-17.238	-21.48
-0.252 -1	•	-2,159	-3.778	-5.834	-8,383	-11.420	-14.976	-19.057
	-0.295 -0	-0.092	-0.385	-1.249	-2.639	-4.613	-7-176	-10.349
-3-127 -2	-2.144 -1	-1.175	-0.384	-0.117	-0.443	-1.413	-3.043	-5.357

ATCMIC SPECIES : N	NA 10				-					
T DSG KZLOG PS	00 ? W	000	0 0 0 1	000	2.000	3 300	4	5_000	000 9	000 2
00004	170 773	-76.201	-80.000	-80 000	-80.000	-80.000	-80.000	-80,000	-80.000	-80.000
00004	-63.953	-69.109	-74.714	-80 000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000
00044	-57.791	-62.835	-68.139	-7B 920	-80.000	-80.000	-80 .000	-80.000	-80.000	-80.000
000044	-52,173	-57.175	-62.291	-67 819	-73.729	-80.000	-80.000	-80.000	-80.000	-80.000
0000	-47.052	-52.005	-57.040	-62 319	-68.079	-74.066	-80.000	-80.000	-80.000	-80.000
00005	754 67	-47.260	-52,252	-57 373	-62.914	-68.833	-74.906	-80.000	-80.000	-80.000
55000	-32,981	-37.188	-41.873	-4p 837	-51.948	-57.473	-63,392	-69.513	-76.066	-80.000
00009	-25,415	-29.394	-33.554	-38 172	-43.124	-48.267	-53.861	-59.821	-66.057	-72,782
65000	-19,367	-22.998	-26.958	-31 124	-35,757	-40.728	-45.957	-51.678	-57.724	-64.168
10000	-14-60K	-17.849	-21.462	-25 425	-29.647	-34 . 351	-39.387	-44.780	-50.652	-56,862
75000	-10.847	-13.786	-16.966	-20 628	-24.628	-28.967	-33.799	-38.942	-44.567	-50.607
80000	-7.827	-10.403	-13,361	-16 619	-20.377	-24.457	-28.983	-33,951	-39,310	-45.180
85000	-5.520	-7.688	-10.339	-1B 351	-16,747	-20.628	-24.860	-29.613	-34.762	-40.425
00006	-3.644	-5.584	-7.842	-10 608	-13.720	-17,315	-21,338	-25.820	-30.797	-36.240
00000	-2.249	-3.864	-5.871	m 283	-11.182	-14.470	-18.284	-22,519	-27.301	-32,549
000001	-1.288	-2.517	-4.865	-6 385	-9.003	-12.059	-15.609	-19.645	-24.201	-29,281
125000	-0.005	-0.043	-0.313	-1 110	-2.403	-4.266	-6.657	-9.631	-13.193	-17,366
150000	č	444	P C C	080 0-	-0.237	-0.970	-2.295	-4.256	-6.895	-10.209
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0000	-60-490	-62.719	-65.467	-68 587	-72.205	-76.261	-80 000	-80	-80 000	-80.000
125000	-44.199	-45.237	-46.508	-48 304	-50.597	-53.461	-56 851	60 825	-65 387	-70.559
15000	-34.153	-35.153	-36.156	-37 183	-38.390	-40.123	-42 448	141 418	-49 048	-53,361

000	**************************************	-6 818 -7 350 -7 885 -8 424 -8 424 -8 981 -12,603
6.000	* * * * * * * * 4	-8.567 -9.242 -9.242 -10.632 -11.389 -12.161 -12.928 -16.717
5.000	***** ***** ***** ***** **** **** ****	-11.105 -11.977 -12.922 -13.886 -14.831 -15.776 -16.747 -21.634
4 000	_ * * * * * 4 CO DO CO	-14, 167 -15, 531 -16, 465 -17, 589 -18, 755 -21, 128 -26, 995
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000.0-	- 11111111111111	-29.672 -31.825 -34.057 -36.326 -38.504 -40.678 -42.901 -53.624
-1.000		-34.294 -36.864 -39.450 -41.917 -44.427 -46.965 -49.417 -61.524
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ATOMIC SPECIES : MG Z

ATOMIC SPECIES : 16 B

T DEG K/WOG PE	000 • 000	0000	0 0 0 0	• 000	2.000	000 • m	4.000	0 0 • Ø	000	0 0 IC
u 4 m	-17.072 -8.429 -4.385	1 1 9 0 65 mt 0 0 65 mt 0 0 65 mt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-21,059 -11,033 -6,393	****** -12=918 -7=467	+ # # # # # # # # # # # # # # # # # # #	+ + + + + + + + + + + + + + + + + + + +	* * * * * * * * * * * * * * * * * * * *	* * * * *	* * * *	*****
0000	-1.670	-2=662	-3.661 -1.698	-2 690 -2 690	-3.689	10.877	-5.866	***	* * * *	* * * * * * * * * * * * * * * * * * *
0000	-0.000	-0.063	-0.408	-0,308	-2.194	-2.015	-3.013	-4.064	* * * * * * * * * * * * * * * * * * * *	****
10000	000-0-	100=0-	-0.005	0.0	-0.333	-1.095	-2.058	-3.065	-4.184	****
11000	000.0-	000	-0.001	8 00 0 0 0 1	-0.075	-0.458	-1.293	-2.258	-3.316	+*****
20	000.0-	000	0000-0-	000	-0.006	-0.048	-0.325	-1.074	-2.039	-3.149
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1 5000	0000	000	0000-0-	000	00.00	-0.008	-0.059	-0.373	-1.149	-2.153
	0000-0-	0000	000.0-	000 0-	-0.001	-0.002	-0.016	-0.112	-0.563	-1.434
8000	000-0-	000 0 -	-0.000	000 0-	000.0-	-0.302	600.0-	-0.065	-0.379	-1.152
00061	000.0	000	000-0-	000	000.0	-0.001	10000	0.040	-0.253	-0.914
0000	000-01		0000-01		000	10.00-	400.0	-0.020	-0.119	-0.560
22000	000.0-	000 0 1	000.0-	000	000.0-	-0.001	-0.003	-0.015	-0.086	-0.436
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24000	000*0-	000	000.01	000	000	10.001	0.002	0.0.0	-0.051	-0.283
20	100-0-		000.0		000	-0.001	-0.002	-0.007	-0.034	-0.187
27000	-0.021	-0.002	000.0-	0000	000.0-	-0.001	-0.002	-0.007	-0.029	-0.156
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30000	-0.488	-0-082	600.0-	000	0000	000.0-	-0-001	-0.005	-0.020	-0.075
0	-2.043	-1=077	-0.321	-0 045	-0.005	-0.001	-0.001	-0.004	-0.014	-0.060
36000	-2.766	-1=769	-0.831	-0 198	-0.024	-0.003	-0.001	-0.003	-0.012	-0.050
0	-3.446	-2415	-1.427	-0 553	-0.100	-0.011	-0.002	-0.003	-0.010	-0.042
0	-4.184	03 r	-2.003	-1 040	008.0-	-0.042	0000	500°0-	00000	10.050
42000	-5.035	14 050	-3.059	1 043	-1.059	-0.312	440.0-	10000	-0.007	-0.027
46000	-6.873	-5 145	-3.612	-2 477	-1,481	-0.595	-0.113	-0.014	-0.008	-0.024
48000	-7.590	-5 912	-4.244	-2 921	-1.883	-0.932	-0.246	-0.034	600.0-	-0.021
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65000	-14.198	-11.596	-9.141	-6 995	-5.284	-3.718	-2,382	-1.379	-0.541	-0.109
000	-16.422	-13=363	+10.738	-8 297	-6.211	-4.540	-3.031	8 4	-0.935	-0.268
15000	-18.752	-15=327	-12.286	9.29 6-	-7.284	-5.316	-3.700	-2,321	-1.306	-0.511
000	-20.999	-17 373	-13.979	610-111	-8.457	-6.157	14.352	-Z.831	440	10.780
00000	123,800	12-330	-12.504	644 211	-10.796	-8-115	-5.753	3.880	-2.378	-1.273
2	-28.164	-23 568	-19.281	115 497	-12,069	760.6-	-6.563	-4.440	-2.799	-1.534
100000	5.5	-25 656	-21.140	010_711	-13,379	-10.122	-7.379	•		-1.808
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ATOMIC SPECIES : MG 4

	-75.387 -77.395
-44.368 -46.363 -48.382 -50 347 **** *** *** *** *** *** *** *** ***	-60.992 -62.993 -49.238 -51.229
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7 -6.804 -4.785 -3.138 -1,75 -0.806 9 -7.780 -5.498 -3.695 -2,192 -1.093 7 -13.147 -9.732 -6.863 -4,498 -2.686 3 -19.132 -14.620 -10.704 -7,380 -4.700	-10.638 -8.099
9 -7.780 -5.498 -3.695 -2.192 -1.093 7 -13.147 -9.732 -6.863 -4.498 -2.686 3 -19.132 -14.620 -10.704 -7.1380 -4.700	-12.037 -9.247
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0	-62.040	4.0	-66.041	-68.048	-70.114		L.	9	00.0	*****
12000	-54.613	-56_613	158-513	-60.614	-62.629	-64.759	-67,305	-70.198	-73.164	-76.208
13000	-48.314	3.	-52,314	-54.314	-56.318	-58.358	-60.630	ø	-66.295	32
10000	-42+902	-44.902	+46.902	-48.902	-50.903	-52.916	-55.031	-57.541		-63,385
15000	-38.201	-40.201	-42.201	-44.201	-46.201	-48.206	-50.254	-52.557	-55.304	24
16000	-34.079	-36.079	-38.078	-40.078	-42.078	-44.080	-46.101	-48.265	-50.856	-53.742
17000	-30.433	-32.433	-34.432	-36.432	-38.432	-40.433	-42.442	-44.530	-46.958	-49.774
18000	-27.184	-25.184	-31 • 184	-33.184	-35.184	18	-39.189	-41,236	-43.529	-46.250
19000	-24.271	-26.271	-28.271	-30.271	-32.271	-34.271	-36.273	-38.299	-40.493	-43.107
20000	-21.643	-23.643	-25.643	-27.643	-29.643	-31.643	-33.644	ŝ	-37.785	-40.289
21000	-19,260	-21,260	-23.260	-25.260	-27.260	-29.260	-31,260	-33,270	-35,353	-37,753
22000	-17.089	119 089	-21.089	-23.089	-25.089	-27.088	-29.089	-31.095	-33.151	-35.463
23000	-15.102	-17.102	-19.102	-21.102	-23.102	-25.101	-27.101	-29,105	-31.144	-33,385
24000	-13.277	-15.276	-17.276	-19.276	-21.276	-23.276	-25.276	-27.278	-29.306	-31.505
25000	-11.594	-13.593	-15.593	-17.593	-19.593	-21.592	-23,592	-25.594	-27.614	-29.770
26000	-10.041	-12.036	-14.036	-16.035	-18.035	-20.035	-22.035	-24.036	-26.051	-28, 175
27000	-8.612	-10.592	-12.590	-14.590	-16.590	-18.590	-20.589	-22.590	-24.602	-26.701
28000	-7.321	-6.253	-11.246	-13,245	-15.245	-17.244	-19.244	-21.245	-23.253	-25,334
29000	-6.208	-8-017	a6.61	-11.990	-13,990	-15,989	-17.989	-19.989	-21,996	-24.062
30000	-5.304	-6.898	-8.825	-10.816	-12,815	.81	-16.815	-18,815	-20.821	-22,875
32000	-3.935	-5.111	-6.748	-8.688	-10.681	-12.630	-14.680	-16.680	-18.683	-20.721
34000 14000	-2.831	-3,865	-5.109	-6.833	-8.792	-10.788	-12.787	-14.787	-16.790	-18.817
36000	-1.866	-2.868	-3.929	-5.296	-7.122			-13.097	-15.099	-17.120
38000	-1.033	-1.997	-3.008	-4.133	-5.679	-7,591	-9.580	-11.579	-13,580	-15.596
40000	-0.416	-1.233	12.213		-4.508	-6.248	-8.211	-10.207	-12.207	-14.219
4 X O O O	-0.118	-0.814	-1_508		-3.605	-5.087	426.9-	-8.960	-10.959	-12.969
4 G O O O	-0.030	-0 × × 29	106 0-	-1.853	-2.882	-4.133	-5.864	-7.825	-9.821	-11.828
46000	-0.010	1001	-0 441		-2,263	-3,373	-4.889	-6.789	-8.777	-10.782
48000	-0.015	0 0 5 5	-0 176	-0.777	-1.711	-2.752	-4.062	-5.847	-7.818	-9.819
50000	-0.055	10012	-0 063	-0.407	-1.220	-2.216	-3.380	-5.000	-6.934	-8.931
55000	-0.656	10 131	-0 020	-0.050	-0.342	-1.115	-2.114	• 33	-5.027	-6.986
00009	-1.753	-0.812	961	-0.029	-0.059	-0.378	-1.178	-2.208	-3.550	-5,363
65000	-2.872	-1.775	-0 82d	-0.197	-0.033	-0.089	-0.506	-1.378	-2.489	-4.033
10000	-4.308	-2.773	-1.658	-0.726	-0.157	-0.037	-0.163	-0.743	-1.710	-2,993
15000=	-5.855	-4.028	-2.525	-1.429	-0.547	-0.102	-0.057	-0.328	-1.103	-2.207
■0000 B	-7.233	-5.351	-3.576	-2,162	-1.118	-0.343	-0.063	-0.130	-0.639	-1.600
00000	-8.688	-6.541	-4.701		-1.726	-0.763	•	-0.067	-0.330	-1-115
o າມ	-10.210	-7.780	-5.729	-3.946	•38	-1.253	-0.424	-0.085	-0.164	-0.733
in	-11.724	-5.108	-6 763	-4.835	-3.132	-1.765	-0.779	-0.185	-0.096	-0.453
100000	-13,371	-10.436	-7.894	-5.693	-3.889	-2,323	-1.175	-0.378	-0.094	-0.271
125000	-22.520	-16.101	-14.200	-10.766	-	-5.406	-3.462	.93	-0.860	-0.241
14000	-32.097	-26.643	-21.448	-16,799	-12.697	-9.182	-6.257	-3.912	-2.155	-0.950

T DSG K/LOG PE	-2.000	-1.000	0 0 0 0	000	2.000	000 E	4 000	0 0 0 0	000.9	7.000
15000_	-73.721	-76,721	-80.000	-80.000	-80.000	-80 000	000·0m-	-80.000	-80.000	-80.000
16000	-66.563	-69.563	-72,563	-75.563	-80.000	-80)00	000 00 al	-80.000	-80.000	-80.000
17000	-60.235	-63.235	-66.235	-69.235	-72.234	-75 234	-78 243	-80.000	-80.000	-80.000
18000	-54.598	-57.598	-60.598	-63,598	-66.598	166 69-	-72.60₹	-75.645	-80.000	-80.000
19000	-49.544	-52.544	-55.544	-58.544	-61.544	-64 543	-67.545	-70.568	-73,754	-77,348
20000	-44.987	-47.987	-50.987	-53-986	-56.986	-59 386	-62.986	-62.999	-69-117	-72,602
21000	-40.854	-43.854	-46.854	-49.354	-52,854	-55 353	-58.853	-61.860	-64.937	-68,320
22000	-37.090	-40.090	-43.090	-46.090	-49.089	-52 389	-55.088	-58.092	-61.142	-64.438
23000	-33.645	-36.645	-39.645	-42,645	-45.645	-48 544	-51.644	-54.646	-57.678	-60.904
24000	-30.481	-33.481	-36.481	-39.481	-42.481	-45 480	-48.479	-51.480	-54.502	-57.688
25000	-27.565	-30.564	-33.564	-36,564	-39.564	-42 563	-45.562	-48,562	-51.577	-54.721
25000	-24.871	-27.866	-30.866	-33,865	-36.865	-39 365	-42.864	-45.863	-48.874	-51.985
27000	-22,383	-25,364	-28,362	-31,362	-34.361	-37 361	-40.360	-43,359	-46.366	-49.454
28000	-20.107	-23.040	-26.032	-29,032	-32.031	-35 331	-38.030	-41.029	-44.034	-47.103
29000	-18.076	-20,885	-23.RAN	-24.AGA	-29.857	-32 357	-35.855	-38.855	-41,858	-44.914
30000	-16.312	-18.906	-21.833	-z4·825	-27.824	-30 324	-33,823	-36.821	-39.824	-42.868
32000	-13,382	-15.558	-18.195	-21,134	-24.128	-27 126	-30 12p	-33,124	-36,125	-39.154
34000	-10.894	-12,928	-1K-170	-17.896	-20.856	-23 351	-26.850	-29.849	-32,848	-35,868
36000	-8.695	-10.696	-12.75B	-15.125	-17.951	-20 329	-23,926	-26.924	-29,924	-32,937
38000	-6.753	-8.717	-10.728	-12.853	-15.399	-18 310	-21.299	-24.297	-27.296	-30,305
40000	-5.134	166.951	18,931	-10.966	-13.225	-15 366	-18.928	-21.923	-24.921	-27.928
42000	-3,926	-5.422	7,316	-9.315	-11.413	-13 395	-16.781	-19.767	-22.764	-25,768
44000	-3.008	-4.207	628'S1	-7.830	-9.860	-12 111	-14.841	-17.801	-20.796	-23, 798
46000	-2.227	-3.288	14,658	-6.488	-8.480	-10 290	-13.106	-16.005	-18.992	-21.992
48000	-1.532	-2.540	269'21	15.294	-7.229	693 6-	-11.578		-17.333	-20.330
50000	-0.927	-1.864	129.934	-4.278	-6.091	-8)8.7	-30 251	ì	-15.803	-18,795
92005 24000	-0.109	-0.584	11 .473	-2 503	-3.794	15 568	7 367		-12.478	-15,433
00009	-0.015	-0.073	-0.451	-1 290	-2,320	3 539	5 438		-9.810	-12.619
00000	-0.122	-0.021	-0.071	-0 441	-1.277	-2 333	-3 750		-7.731	-10.273
20002	-0.710	-0.150	-0,027	-0 092	-0.523	11 +02	-2 528		-6.074	-8,354
75000	-1.606	-0.680	-0,140	-0 033	-0.147	002	-1 555	-2.925	-4.699	-6.801
80008	-2.583	-1.458	-0.564	100	-0.046	10 266	-0 984	-2.050	-3.559	-5.517
85000	-3,829	-2.307	-1,217	-0.399	690.0-	680	-0 495	-1.386	-2.648	-4.431
00006	-5.216	-3,356	-1,938	-0.912	-0.233	10 0 005	0 210	-0.866	-1.943	-3,510
95000	-6.582	-4.553	-2,788	-1.511	-0.586	-0-116	-0 091	-0.483	-1.390	-2.744
1 00000	-8.008	-5.740	a a r m I	-2+182	-1.058	-0 303	120 0-	-0.245	-0.950	-2,123
1.25000	-15.370	-11.936	-8.9®1	-6.442	-4.289	−2 503	-1 188	-0.364	-0.118	-0.424
150000	-23.500	-19.044	-14.8 7	-11.190	-8.061	-5= 174	088 m I	-1.751	-0.664	-0.184

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T OEG K/LOG PE	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

ATCMIC SPECIES : MG 8

000	1 80 1 80	- 28,269 - 21,44,699 - 18,699 - 16,299 - 12,378 - 6,038
0 0 0	18000000000000000000000000000000000000	-23.988 -23.988 -17.485 -14.919 -12.735 -10.852 -3.735
0 0 0 0	1 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1.0.023 -1.0.023 -1.13.0719 -1.1.659 -9.659 -7.946 -6.503 -1.987
4	-80.000 -80.000 -80.000 -73.629 -73.629 -73.629 -73.629 -73.629 -73.629 -73.629 -73.629 -73.629 -73.629 -73.629 -73.629 -73.629	- 150 - 100
3_000	1 1 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1113 1133 1134 1134 1134 1134 1134 1135 1135
0 0 0	-80.000 -80.000 -80.000 -70.848 -51.635 -51.223 -51.223 -51.223 -51.223 -51.223 -51.223 -51.223 -51.223 -51.223 -51.223 -7.223 -7.223 -7.223 -7.223 -7.223 -7.223 -7.223 -7.223 -7.223 -7.233 -	-13.628 -10.439 -7.941 -5.974 -3.974 -3.027 -2.050 -1.320
000	-80 000 -80 000 -74 003 -55 884 -55 884 -52 897 -30 259 -34 214 -30 732 -27 572 -27 572 -19 002	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
000.0-	-80.000 -73.495 -69.011 -69.011 -69.011 -83.952 -138.030 -38.264 -34.060 -26.902 -26.902 -26.902 -26.902 -13.970	18.4 P.
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-2.000	-73.471 -68.372 -63.711 -59.490 -52.102 -45.674 -34.881 -30.487 -26.649 -23.391 -20.471 -17.810	-4.473 -2.626 -1.401 -0.513 -0.110 -0.100 -0.145 -0.523 -4.762
I OSS K/LWG PE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	45500000000000000000000000000000000000

ATPMIC SPECIES :	W G 9									
T DEG K/LOG PR	-2.000	-1.000	000*0-	1.000	2.000	3+000	4 • 000	5.000	000 9	7.000
8 0000 E	-72.689	-77.722	-80.000	000 081	-80.000	-80.000	-80.000	80.000	000000000000000000000000000000000000000	-80.000
38000	-57.622	-62.586	-67.597	- 72= 722	-80.000	-80.000	-80.000	000.000	000000000000000000000000000000000000000	80.000
0000 0000 0000	-45.918	-50.414	-55.308	160 307	-65.405	-70.887	-76.773	180.000	000	-80.000
4 4000	-41.155	-45.355	-50.027	± 54 978	-60.008	-65.258	-70.988	-76.946	000 081	-80.000
46000	-36.858	-40.918	-45.289	-50 119	-55.110	-60.220	-65.735	-71.632	-77=615	-80,000
4 8000	-32.932	136.939	141.093	14011694	-50.628	-55.668	-60.977	-66.760	-72=726	- 80.000
00000	122 000	1000 A ROLL	137.4350	141	210.04-	-51.5008	170.001	100.00	012 0 0 0 0 0 0 1 1	- 74. 200
00000	-16.450	19,504	100.001	102 CC 1	-30.755	-35.074	-39.873	-44.902	0000	- 56.042
00000	-11.909	-14.808	-17.858	-21 228	-25.064	-29.119	-33.536	-38.406	143 514	-49.048
00002	-8.490	-10.931	-13.808	-16 873	-20.4303	-24.183	-28.308	-32,887	-37 851	-43,125
75000	-5.896	016.1-	-10.430	-13 322	-16.436	-19.990	-23.944	-28.214	-32 986	-38.081
80000	-3.804	-5.677	-7.783	-10 324	-13,265	-16.484	-20.203	-24.268	-28: 775	-33,728
85000	-2,332	508.5-	-5.713	-7 894	-10.564	-13.534	-16.990	-20.881	-25 = 140	-29.919
00006	-1.309	-2.427	-4.003	-5.975	-8.295	-11.116	-14.272	-17.927	20022	-26.565
00056	ល្ង	-1.460	-2.672		-6.460	-8.939	-11.964	-15,356	56	-23.611
00	÷.	0 (-1.715		14.955	-7.197	-9.965	-13,138	116 842	-21.011
20	4	9 1	9	9 1	60.40	C+0 • 7 -	101	040.0		-11.009
150000	-5.506	-3,621	-1.929	-0 782	-0.180	-0.158	-0.753	-1.938	-3 772	-0.261
ATGMLC Species :	MG10									
T 086 4/L06 P8	-2.000	-1.000	000.0-	1 000	2.000	00a	4	5.000	6.000	7.000
42000	-71,616	-77,112	-80.000	-80 000	-80.000	-80 000	-80 000	-80.000	-80.000	-80, 000
	620.03	-70.219	-75.890	-80 000	-80000	-80.00	-80 000	-80.000	-80.000	-80.000
46000	159.046	-64.106	-69.477	-75 307	-80.000	-80 000	-80 000	-80.000	-80.000	-80.000
48000	886°891	158.590	-63.744	169 345	-75.279	-80 000	-80 000	180.000	-80.000	180.000
	#00 *0 F 1	142.630	-56.592	0 7 5 7 5 1 0 7 5 7 5 1	-57.840	-63 613	-69 611	-75.827	-80.000	-80.000
000009	130.018	-34.076	-38.454	143 293	-48.322	-53.641	-59 440	-65.459	-71.806	-80,000
65000	-23.291	-27:190	-31.241	-35 610	-40.446	-45 502	-50 918	-56.788	-62.895	-69.427
00002	17.997	-21.438	-25.314	-29 379	-33.810	-38 689	-43 815	-49.394	-55.357	-61 - 628
75000	113.774	-16.849	-20.309	124 201	-28.315	-32 868	-37 822	-43.092	148-863	-24,957
00000	-7.522	556.51	-12.903	116 084	-19.754	-23.774	-28 180	-33.070	-38.330	-44-106
00000	-5.375	-7.494	-10,069	113 041	-16.361	-20 182	-24 338	-28.993	-34.068	-39, 629
00056	-3.615	15.519	-7.731	-10 447	-13.519	-17.048	-21 023	-25.415	-30,320	-35, 668
1,0000	-2.308	-3.882	-5.866	18 236	-11.105	14 348	-18 115	-22.288	66.9	-32,160
125000	E60.0-	-0.175	-0.774	ጟ •	ń,	-5.520	-8 155	-11.315	-15.062	-11.503
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ATOMIC SPECIES :	MG11									
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00000	.58,470	-63.946	-69-835	-75.865	-80.000	-80.000	-80.000	000 081	-80.00	-80 000
00009	144.74-	-52.499	-57.877	-63,716	-69.745	-76.054	-80.000	000 081	-80.000	-80 000
65000	-38.262	-43.161		-53,581	-59.417	-65.472	-71.889	000 081	-80.000	000 08-
70000	.30 .862	-35,302	-40.179	-45.244	-50.675	-56.554	-62.679	852 691	-76.220	-80 000
75000	-24.811	-28.885	-33.345	-38,237	-43,351	-48.904	-54 859	158	-64.899	-74 991
80000	-19,689	-23.562	-27.668	-32.209	-37.150	-42.370	-48.088	154 153	-60.658	200
85000	-15,539	-19.012	-22.920	-27,101	-31.771	-36.791	-42.197	148 087	-54.346	122
000006	-12,131		-18.826	-22.797	-27.118	-31.939	-37.094	142 749	-48.823	425 CC -
■ 000095	-9.240	-12,145	-15.357	-19.073	-23.145	-27.674	-32.649	138 040	-43.945	-50 293
000001	-6.915	-5.489	-12.473	-15.843	-19.712	-23,954	-28.722	268 221	-39,598	-45 765
125000	-0.809		-3.490	-5,559	-8.149	-11,236	-14.872	020 611	-23.777	-29 078
150000	-		CAL C	400	-0-KNA	4.504	-7-179	10 364	-14.198	- 18 686
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ATOMIC SPECIES :	MG12									
T wee 4/106 we	-2.000	000	000	000	8 000	000 M	4 000	0000	0000	000
1 K 5000	-56.971	-55.053	-61.652	-64.721	-68.312 -50.732	-72,398 -53,721	-77.034	-80.000	0 00 00 00 00 00 00 00 00 00 00 00 00 0	-80, 000 -71, 811

-11.279 -13.816 -16.508 -0.476 -2.420 -3,324 -5.467 000 -0.860 -0.234 -0.349 -0.735 -1.225 -1.495 *** *** -0.982 -1.102 -1,357 -1.644 -1.803 -2,145 -2.960 -3,965 -4.348 -5,105 -6.142 -6.452 -7.162 -7.783 -8.819 -9.260 -10.045 *** -1.971 -2.781 -4.731 -8.331 -9.664 -10.831 . -1.166 -1.981 -2.424 -3.421 -7.107 -7,936 -11.408 -17.940 **** *** -5.099 00000 -0.835 -1.041 -1.478 -1.630 -1.794 -4.305 -4.565 -5.635 -6.155 -8.657 -10.909 -12,328 -13,298 -13,925 -0.611 -2.924 -3.174 -6.647 -8.984 -9.716 -10,350 -12,833 -14.563 -0.387 -3.911 -4.161 -1.749 -1,320 -1,554 -5.786 -7.537 -14.009 -10.453 -0.366 **** *** -0.697 -1.034 -2.016 -2.224 -2.486 -3.467 -3,795 -4.114 -5.083 -5.429 -6.510 -6.864 -9.605 -10.045 -11.514 -12,255 -12,898 -13.469 -15.406 -16.166 -16.934 -2.797 -4.431 -8.507 -11.184 -17.732 -3:131 -4.751 -9.127 -18.497 -2.185 -2.588 -7.420 -8.310 -10.177 -10.797 -11.360 -13.197 -1.093 0000 • 4 **** -0.542 -1.559 -1.917 -3.184 -3.598 -4.023 -4.839 -5.224 -5.614 -6.469 -6.956 -9,118 -11.878 -12.345 -13.909 -14.949 -17.853 -9.490 -12.800 -14.230 -16.958 -22.709 -6.027 -15.582 -16.197 -19.696 -20.646 -21.664 -28.012 -4.441 -18.781 -1,377 -1,983 -3.497 -4.000 -4.539 -6.508 -8.213 -9.863 -15.694 -10.794 -12.583 -20,235 -3.136 -33.691 -0.084 -0.620 -2.410 -2.922 -5.555 -7.623 -16.423 -17.473 -19.118 -2.697 -9,351 -11.616 -13.890 -14.400 -14.867 -15.297 -16.744 -18,192 -22.416 -23.604 -24,853 -5.071 -11.991 -26.100 -6.321 -27,321 -2,302 -4.813 -5.457 -6.624 -8.594 -9.336 -10.676 -12.353 -13.302 -15.201 -15.820 -16.393 2.000 -18.208 -0.015 -4.155 -39.900 -0.469 -3.170 -3,638 -1.487 -3.384 -7.868 -10.029 -11.834 -14.127 -14.508 -16.903 -17,370 -17.799 -18,921 -21.179 -22.483 -23,756 -25.062 -26.512 -27,988 -30.875 -32,396 -19.247 -20.077 -29.414 -6.051 -0.128 -3.180 -3.585 -3.793 -6.296 -11.025 -13.173 -14.864 -15.349 -15.806 -17.708 -20.708 -46.573 -17,010 -2.440 -21,439 -4.090 -4.726 -5.544 -7.653 -8.411 -9.285 -10.184 -12.519 -14.336 -16,236 -16.635 -18,837 -19.406 -19.873 -20.302 -21.817 -23.044 -24.572 -26.025 -27.572 -29,288 -30,979 -32,634 -34,386 -36.161 -37.881 -7.830 -8.631 -9.607 +14.307 -18.318 -23.224 -53.765 0000 -3.364 -0.639 -2.263 -3.939 -7.040 -10.686 -11.719 -12.665 -16.286 -16.848 -17.864 -20.213 -20.836 -21,399 -22.815 -24.102 -33.799 -0.002 -4.191 -4.460 -5.179 -6.146 -13.524 -15.679 -17.374 -19.144 -19.521 -21.911 -22,381 -24.689 -26.437 -28,111 -29.881 -31.874 -35.719 -37.767 -39.793 -41.750 -43.746 -9.508 -10.704 -11.977 -1.535 -4.795 -1.000 -7.648 -16.805 -4.163 -4.547 -13,152 -14,210 -15.162 -18.179 -18.790 -19.356 778.21--20.363 -21.243 -21.643 -22.020 -22.712 -23,335 -23.898 -24.384 -25,335 -25.819 -26.435 -27.200 -28.016 -29.948 -31.916 -34.197 -36,389 -38.586 -47.768 -50.088 -61,382 -6.607 -16.022 -20.817 -24.411 -40.944 -42.233 -45.456 -0.021 -23.316 -5.576 -13.124 -19,305 -22,376 -22.862 -25.834 -30.629 -2.000 -2.520 -4.826 -15.648 -16.708 -20.688 -21.294 -21,855 -24.519 -26.398 -28.004 -43.858 -4.157 -5,135 -8.098 -91165 -10.240 -11.6647 -17.661 -18,522 -20.023 -24.142 -25.212 -26.916 -27.418 -28.794 -29.713 -31.502 -33.644 -36.201 -38.703 -41.176 -46.437 -48,953 -51,595 -54.199 -56.726 -80.000 -69.511 w a PEG ATLOG 6000. 7000. 8000. 9000. 12000. 13000. 14000. 15000. 17000. 22000. 24000. 4000. 5000. 44000. 32000. .0000 21000. 26000 27000. 28000. 29000 38000 55000. 65000. 30000 34000 36000. 40000 42000 48000 50000 .00009 80000 85000 75000 00006 95000 00000 125000 000051

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AL 4

PATOMIC SECIES :

****** -14.018 -12.246 -10.736 -0.254 -9.436 -8.306 -7.315 -6.439 -5.662 -4.972 -4.371 -2.941 -0.191 -0.149 -0.119 -0.036 -0.030 -0.028 -0.030 -1.486 -0.679 -1.713 -1.284 -0.942 -0.484 -2,253 -0.347 -0.099 -0.045 -0.045 -3,357 -1.967 -0.086 -3,831 -0.245 -0.148 -0.095 -0.066 -0.011 -0.013 -0.029 -0.038 -0.023 -13.860 00009 -16.302 -11.838 -8.685 -0.540 -0.416 -0.026 -0.015 -2.566 -10.137 -0 323 -0 148 -0 148 -0 102 -0 072 -0 039 -0 012 -0 050 -0 183 -0 467 -0 852 -1 256 5 000 900 **_20**■ 785 -0-017 *** = *** 4 • 000 005 -1-816 143 -2=345 -2 -005 -3=463 -16.618 -13.057 -10.191 -7.844 -2.634 -1.954 -1.372 -0.885 -0.265 -0.129 -0.017 -0.010 -0.006 -0.004 10.002 10.002 10.002 -0.001 -0.001 -0.001 -0.110 -0.490 -1.101 -5.151 -9.155 -13.831 -27.274 -4.497 0.001 -0.032 -5.942 -0.511 -2.380 -3.089 -3.810 -0.001 -0.001 -25.180 -14.620 -11.062 -8.211 -5.971 -4.381 -3.261 -2.370 -0.001 -0.002 -0.107 -0.587 -1.343 -2.103 -33.681 -0.000 -0.000 -2,918 -3.834 -4.699 -0.001 -6.332 -23.171 -17.164 -12.623 -9.075 -6.346 -3.247 -2.231 -1.378 -0.700 -0.271 -0.088 -0.004 00000 -0.000 -0.000 -0.005 -1.475 000 * *** -0.010 -44.497 000°01 -0.000 -0.000 0.000-0--0.070 -0.578 -3.376 -4.509 -6.465 -0°001 -0.000 -0.000 -0.001 -5,522 7,514 -8.638 -16.031 -22,935 - 34.680 12.019 + 39.511 3.420 -2.233 -1.250 -0.146 -0.036 -0.010 -0.174 -0.438 -1.463 -2.504 -21.172 |5.166 -10.628 -7.174 0.000 000000 -6.245 -0.002 -12.616 00901 606. 5. -3.688 -0.000 -0.000 -5.056 -8.634 -0.051 -0.428 -0.089 -0.017 -0.001 00000 000000 10.000 -14.250 -15.960 -24.841 0000-0--0.168 -35,920 -0.000 -2.473 1 0000 I -0.773 -3.794 -12.605 0000-0--0.00--0.024 -1.266 -5.421 -6.831 -8.143 -11,115 -34.219 -5.631 -37.909 -25.510 -117.173 -11.173 -6.934 -4.537 -2.817 100.000 -0.192 -1.703 -2.252 -3.663 -5.532 -7.236 -8.747 -10.457 -2.000 -12.138 -17.682 -19,599 -1.131 -13.841 -15.747 -40.662 P × 10 × OE G **-**

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0000	**** -72*** -64*150	-51.790 -46.935 -42.7 9 -38 032 -35.783	730 391 728 150 726 155 724 368 722 756	-18.732 -17.612 -16.088	24 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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000	-80.000 -75.817 -66.107 -58.142	-45.881 -41.139 -37.146 -30.823	-25.939 -23.888 -22.067 -20.461 -19.052	-16.698 -15.693 -14.772 -13.921	-13-131 -12-395 -11-060 -9-879 -8-827 -7-883	-7.030 -6.256 -5.550 -4.904 -4.309 -3.760 -2.557 -1.556	100.021 100.081 100.089 100.089 100.089 100.089 100.089 100.089
000 m	-80.000 -72.824 -63.120 -55.168	1438.719 138.719 131.676 128.803	-24.073 -22.179 -20.549 -19.122 -17.846	-15.629 -14.651 -13.746 -12.904	-11.387 -10.055 -8.876 -7.825 -6.881	-6.029 -6.029 -4.549 -3.903 -3.308 -2.560 -1.567 -0.653	100.046 100.046 100.046 100.046 100.046 100.046 100.046 100.046 100.046
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0000	-75.932 -63.944 -54.840 -47.746	136.929 136.929 129.462 126.760 122.395	-20.554 -18.915 -17.421 -16.060 -13.672	-12.619 -11.645 -10.742 -9.902	, m & m - m - m -	-3.029 -2.257 -1.561 -0.954 -0.197 -0.018	-1.173 -2.006 -2.006 -2.074 -5.194 -6.215 -7.260 -13.168
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T DEG K/ OG DE	8000 9000 10000 11000	1,2000 1,3000 1,4000 1,5000 1,7000	19000 19000 20000 21000 23000	25000 26000 27000 28000	200000 200000 200000 200000 200000	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	70000 75000 80000 90000 95000 100000 150000

ATOMIC SPECIES : AL 5

I 056 1.06 PS</th <th>-2.000</th> <th>-1.000</th> <th>0000-0-</th> <th>1.000</th> <th>2.000</th> <th>0 a 0 • m</th> <th>4 • 000</th> <th>2.000</th> <th>000</th> <th>0 0 0 I-</th>	-2.000	-1.000	0000-0-	1.000	2.000	0 a 0 • m	4 • 000	2.000	000	0 0 0 I-
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1 4000	-73.294	-75.373	-77.800	-80.000	-80.000	-80 000	-80.000	-80.000	000 0 0 O O O O	-80.000
15000	-66.561	-68.576	-70.705	-73.258	-76.174	-80 000	-80.000	-80.300	000•0a	-80.000
16000	-60.665	-62.668	-64.701	-66.936	-69.650	-72 617	-75.697	-80.000	0000-0	-80.000
17000	-55.456	-57.457	-59.465	-61.543	-63.965	-66 826	-69 . 845	-73.095	962.9	-80.000
18000	-50.818	-52.818	-54.821	-56.846	-59.039	-61=731	-64.662	-67.793	-71,336	. 75_183
19000	-46.662	-48,662	-50.663	-52.671	-54.750	-57=171	-60.036	-63.091	-66.477	-Ho 256
20000	-42,915	-44.915	-46.916	-48,919	-50.950	-53 179	-55.887	-58.881	-62,139	163 825
21000	-39.520	-41.520	-43.520	-45.522	-47.535	-49 648	-52,165	-55.085	-58 Z44	⊢61 833
22000	-36.429	-38.425	-40.429	-42,429	-44.435	-46 491	-48.828	-51.644	-54.728	-58. ≥06
23000	-33.601	-35.601	-37.601	-39,602	-41.605	-43 632	-45.837	-48.516	-51,533	-54.008
24000	-31,006	-33.006	-35.006	-37,006	-39.007	-41 022	-43.141	-45.669	-48.616	151.900
25000	-28.614	-30.614	-32.614	-34.614	-36.615	-38 623	-40.692	-43.079	-45.942	-49,145
26000	-26.402	-28.402	-30.402	-32,402	-34.403	-36 408	-38.449	-40.719	-43.482	-46.614
27000	-24.351	-26.351	-28.351	-30,351	-32,352	-34 355	-36.380	-38.564	-41 215	144.280
■a0082	-22.444	-24.444	-26.444	-28.444	-30.444	-32=446	-34.463	-36.587	-39.1Z4	-42.121
- 290 00	-20.665	-22.665	-24.665	-26.665	-28,665	-30 -667	-32.678	-34.762	-37.102	-40.117
30000	-19.002	-21.002	-23.002	-25.002	-27.003	-29 004	-31.011	-33.070	135.406	-38 254
320.00	-15.981	-17.981	-19.981	-21,981	-23,982	-25 982	-27,987	-30.017	-32 215	I34 895
340.00	-13,308	-15,307	-17.307	-19.307	-21,308	-23 308	-25,311	-27,329	-29 446	L31 960
360.00	-10.924	-12,923	-14.923	-16.923	-18,923	-20 924	-22 • 926	-24.937	-27 010	129 384
380:00	-8.789	-10.784	-12.783	-14.783	-16.783	-18. 783	-20.785	-22.793	-24 841	-27 109
400.00	068.9-	-8.855	-10.851	-12,851	-14.851	-16 351	-18.853	-20.859	-22 892	125 085
4.20:00=	-5.290	-7.121	-9.100	-11.098	-13.098	-15-098	-17.099	-19,104	-21, 129	-23 270
■00:044	-4.081	-5.607	-7.511	-9.500	-11.499	-13 499	-15,500	-17.504	-19.524	-21 630
4.60.00	-3.165	-4.387	-6.085	-8.039	-10.035	-12-034	-14.035	-16.038	-18.054	-20 133
4 80:00	-2.390	-3.460	-4.861	-6.708	-8.690	-10.588	-12.688	-14.691	-16.704	-18.77Z
20000	-1.697	-2.711	-3,883	-5.515	-7.452	-9-446	-11.446	-13.448	-15.460	-17.515
550100	-0.391	-1.195	-2.183	-3.298	-4.826	-6.732	-8.721	-10.722	-12.730	-14.767
00,609	-0.034	-0.249	-0.943	-1.909	-3.019	-4.541	-6.444	-8.435	-10.440	-12,466
00,059	-0.037	-0.030	-0.213	-0.366	-1.828	-2 971	-4.564	-6.491	-8.438	-10.507
00,002	-0.338	150.0-	-0.035	-0.238	-0.921	-1 904	-3.133	-4.846	-6.807	-8.818
150(00	-1,113	-0.340	-0.053	-0.050	-0.324	-1 039	-2.124	-3.511	-5,353	17.346
800,008	-2.000	-1.007	-0.281	-0.046	-0.086	-0 493	-1.364	-2.505	-4.113	-6.054
8 50 00	-3.000	-1.783	-0.818	-0.193	-0.043	-0 =173	-0.770	-1.756	-3,099	-4.919
00,006	-4.264	-2.640	-1.481	-0.579	-0.111	-0 064	-0.362	-1.165	12.308	13 935
00)056	-5.579	-3.700	-2.198	-1.122	-0.342	90	-0.149	-0.701	-1 692	-3,103
1000(00	-6.845	-4.842	-3.052	-1,715	-0.739	-0 154	-0.073	-0.374	-1 199	-2.422
1250(00	-13.662	-10.516	-7.852	-5.537	-3.630	M	-0.919	-0.240	-0.118	-0.520
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-6.773	-4.373	-2.501	-1.197	-0.354	620.0-	-0.238	-0.931	-2.048	-3.677	125000
-13,542	-10,321	-7.498	-5.197	-3.289	-l •866	-0.847	-0.203	-0.046	-0.185	100000
-15.486	-12.079	-9.088	-6.535	-4.452	-2 730	-1.512	-0.594	-0.114	-0.045	95000.
-17,715	-14.091	-10.949	-8.146	-5.848	-3.896	-2,365	-1.268	-0.432	-0.072	•00006
-20.253	-16.435	-13.093	-10.108	-7.511	-5,381	-3,531	-2.157	-1.123	-0.344	85000
-23,126	-19,189	-15,582	-12.441	-9.571	-7.164	-5,124	-3,359	-2.085	-1.079	800008
-26.379	-22,390	-18,549	-15.163	-12.128	9,363	-7.089	-5.092	-3.379	-2,152	75000
-30.081	-26.074	-22,114	-18.402	-15,173	-12,191	-9.507	-7.305	-5.320	-3,607	20000
-34,329	-30.315	-26.320	-22,393	-18.801	-15.658	-12,696	-10.043	-7.860	-5.867	65000
-39,259	-35,239	-31,236	-27 .246	-23,343	-19.821	-16.711	-13.745	-11,051	-8.836	00009
-45.056	-41.024	-37.019	-33.019	-29.029	-25,124	-21,596	-18,481	-15.493	-12,689	55000
-51.976	-47.927	-43,918	-39.917	-35,917	-31.924	-27.986	-24.355	-21.183	-18,169	50000
-55,138	-51.078	-47.068	-43.066	-39.066	-35.068	-31.087	-27.240	-23,839	-20.769	4 80 00 •
-58:571	-54.496	-50.483	-46.481	-42.481	-38,481	-34.486	-30.532	-26,833	-23.612	46000 *
-62,315	-58.217	-54.201	-50.198	-46.197	-42.197	-38.198	-34.209	-30.305	-26,780	4 40 00
-66.415	-62.284	-58.262	-54 . 258	-50.258	-46.258	-42,258	-38,260	-34.281	-30,450	4 20 00 •
-70,931	-66.749	-62,719	-58.714	-54.714	-50.714	-46.714	-42.714	-36,718	-34.752	4 00 00
-75.934	-71.678	-67.634	-63.628	-59.627	-55.627	-51.627	-47.627	-43.627	-39.632	38000
-80.000	-77.152	-73.084	-69.074	-65.073	-61.072	-57.072	-53.072	-49.072	-45.073	36000
-80.000	-80.000	-80.000	-75.147	-71.144	-67.144	-63.144	-59.144	-55.144	-51.144	34000
-80.000	-80.000	-80.000	-80.000	-77.959	-73,958	-69 • 95 ₁₈	-65.958	-61,958	-57,958	32000
-80.000	-80.000	-80.000	-80 • 000	-80.000	-80.000	-77.662	-73.662	-68,662	-65.662	30000
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	-44.999	-50.227	-55.939	-61 936	-68,210	-74.975	-80 000	-80 000	-80 000	000 081
	-37.541	-42.548	-47.822	-53 586	-59.626	-66.033	-72 904	-80 000	-80 000	000 081
	-31.158	-35,537	-40.971	-46 345	-52.196	-58,325	-64 922	-71 906	-80 000	000 081
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	-21.309	-25.377	-29.858	-34 776	-39,994	-45.716	-51 800	-58 352	-65 340	-72 743
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5000	-6.157	7.5	-14-103	• • • • • • • • • • • • • • • • • • •	9 ~	. 4	***	• *	+ + + +	***
6000	-3.217	4.21	5.21	6.2	7.42	40	***	***	*	*
7000	-1:125	N	'n	60.1	5.1	6.24	-7.786	***	**	**
8000	-0.114	0.60	-1.491	.47	-3.477	4.4	-5.661	21	***	**
•0006	-0.007	0.0	-0.417	•	-2.208	-3.207	-4.244	-5.505	*	***
10000	-0.001	-0.0C7	-0.061	ċ	-1.205	-2.178	-3.183	-4.275	9	***
	000.0-	0	600.0-	-0.084	-0.494	-1.344	-2,325	-3,353	.55	* * * * * * *
12000.	-0.008	-0.001	-0.002	-0.018	-0.148		-1.613	•		
13000.	-0.102	10.	-0.002	-0.005	-0.041	-0.297	-1.030	•	•02	28
14000	-0.564	.10	-0.012	-0.003	0	0	58		• 46	
15000	-1.319	-0.475	620.0-	600.0-	900.0-	-0.042	• 29	-1.026		-3,103
16000.	-2.067	-1.098	-0.333	-0.048	00.	-0.018	-0.140	-0.572	-1.575	ů
17000.	-2,754	-1.746	-0.811	-0.190	-0.024	5	-0.067	-0.413	-1.217	•
	-3,439	-2.349	-1,359	-0.504	-0.087	-0.014	-0.034	-0.242	-0.913	-1.880
19000	-4.242	-2.926	-1.886	-0.933	-0.246	-0.034	-0.021	-0.140	-0.662	-1,580
20000	-5.127	-3.551	-2,380	-1.383	-0.522	-0.092	-0.021	.08	• 46	-1.308
21000.	-5.942	-4.265	U.	***	-0.869	-0.216	-0.034	O	-0.321	-1.069
22000.	-6.642	-4.983	-3.410	-2.218	-1.229	-0.418	0.00-	-0.039	-0.219	•
23000.	-7.237	-5.633	3	-2.623	-1.577	-0.675	-0.142	-0.037	-0.151	-0.686
24000	-7.762	-6.202	-4.577	-3.058	-1.908	-0.954	-0.250	0		-0.539
25000.	-8.236	-6.701	ທ	-3.525	-2,232	-1.232	-0.424	0.07	-0.080	-0.420
26000.		-7.150	-5.595	-3,995	-2.568	-1.498	-0.618	-0.128	-0.066	-0.326
27000.	-9.073	-7.560	-6.025	-4.439	-2.925	-1.755	-0.825	-0.206	-0.063	-0.254
28000.	19.447	-7.940	-6.416	-4.849	-3.297	-2,010	-1,033	.31	-0.071	-0.199
29000	-9.797	-6.292	-6.777	-5.230	-3.666	-2,273	-1,236	-0.437	-0.092	-0.158
30000	-10.126	-8.623	-7.113	-5.584	-4.017	-2,550	-1,432	-0.577	-0.126	-0.130
32000.	-10.727	-9.226	-7.721	-6.207	-4.663	-3.127	-1.821	-0.871	-0.238	-0.102
34000	-11.264	-5.763	-8.261	-6.754	-5.229	-3.681	-2.240	-1:160	-0.399	-0.108
36000.	-11.748	-10.247	8.74	-7.242	-5.730	-4.193	-2.679	•	9	-0.146
38000.	-12.186	-10.686	-9.185	-7.683	•	-4.652	-3.109	-1.753	-0.797	-0.214
8	-12.586	1.0E	-9.585	-8.084	-6.580	-5.065	-3.522	C)	-0.987	-0.308
42000	-12.952	-111.452	-9.952			-5.439	-3.909	12.404	-1.195	-0.418
	-13.289	-11.789	-10.289		P 1	-5.781	-4.256	(11)	11.414	-0.541
46000	-13.601	2	-10.001	-9.101		960.9-	4.574	-3.055	-1.657	1.9.0-
48000	-13.891	2.39	Ο.	-9.390		-6,33.7	-4.866	-3,350	~	0.80
20000	-14.161	-12.660		-9.660	οo ι	-6.658	n n	-3.625	-2,138	-0.955
55000.	-14.817	-13.266	-11.761	-10.260	χo.	-1.260	191.6-	-4.234	2.75	-1,359
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.00059		-14.952	-12.896	82	-9.726	w	დ :	-5.211	69.	2,21
10000.	-18,915	-16,331	-13,892	1.79	-10.140	-8.621	~	-5.605	0.1.	-2.602
75000.	ล	-17.658	-15.064	2.64	-10,608	-8.987	-7.464	'n	*	95
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95000	8	24.2	-20.492	-17.022	3.93	-11.307	Φ.	7	.57	-4.066
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ï	63.251	-66.260	-69.338	-72.760	-76.602	-80.000	***	***	***	***
1	-46.709	23.810	-52.710	-55.732	-58.910	-62.53	****	***	***	***
' '	26.474	100.00	+31.851	-34-837	-37.835	-40.849	-44.002	-47.512	****	****
1	609.0	-22.667	-25.018	-27.834	-30.808	-33.804	-36.831	-40.066	****	***
7	-15.973	-17.979	-20.033	-22.371	-25.175	-28.146	-31.142	-34.213	-37,535	***
7	2.166	-14.167	-16.175	-18.249	-20,658	-23,505	-26.479	-29.489	-32.648	***
1	-8.986	-10.979	-12.980	-14,995	-17.125	-19.677	-22.582	-25.565	-28.620	-31.790
,	-6.372	-8.281	-10.271	-12.273	-14.309	-16.563	-19.291	-22.238	-25,237	-28.416
.1	-4.502		-7.949	-9.939	-111.949	-14.045	-16.515	-19.384	-22,350	-25.471
1	-3.227	-4.383	-5.987	-7.917	-9.913	-11.947	-14.197	-16.916	-19.848	-22.898
.1	-2.195	-3.225	-4.459	-6.174	-8.132	-10.142	-12.260	-14.783	-17.660	-20.658
j	1.310	-2.297	-3.360	-4.738	-6.572	-8.557.	-10.610	-12.947	-15,728	-18.687
1	909.0	-1.499	-2.503	-3.646	-5.228	-7.153	-9.171	-11.371	-14.020	-16.936
,	-0.197	-0.830	-1.773	-2.815	-4.125	-5.912	-7.895	-10.007	-12.510	-15,381
•	0.052	-0.358	-1.142	-2.129	-3.263	-4.831	-6.756	-8.812	-11.177	-13,975
	-0.014	-0.123	-0.631	-1.535	-2,579	-3.922	-5.736	-7.748	-10.000	-12.707
•	0.004	660.0-	-0.289	-1.021	-2.005	-3.184	-4.831	-6.793	-8.958	-11.562
•	100.0-	-0.013	-0.115	-0.605	-1.505	-2.583	-4.042	-5,930	-8.029	-10.528
,	-0.000	-0.005	440.01	-0.314	-1.068	-2.079	-3.372	-5.151	-7,195	-9, 593
1	0000-0-	-0.002	-0.017	-0.147	-0.703	-1.640	-2.810	-4.451	-6.439	-8.747
1	000.0-	-0.001	-0.007	-0.066	-0.423	-1.254	-2,336	-3.829	-5.752	-7,981
,	-0.000	0000-0-	-0.003	-0.030	-0.235	-0.918	-1.929	-3,285	-5.124	-7.285
•		000-0-	-0.002	-0.014	-0.125	-0.637	-1 572	-2.812	-4.552	-6.650
,	0000-0-	-0.000	-0.001	-0.007	-0.065	-0.418	-1,255	-2.403	-4.032	-6.068
•		000.0	000.0-	10.004	-0.035	-0.261	-0.976	-2.047	-3.562	-5,534
1		0000-	-0.000	-0.001	-0.011	-0.095	-0.535	-1.455	-2.763	-4.590
,	0000-	0000-0-	000.0-	-0.001	-0.004	-0.036	-0.261	-0.985	-2.129	-3,787
1	\boldsymbol{a}	0000-0-	-0.000	-0.000	-0.002	-0.015	-0.121	-0.623	-1.622	-3.109
}	0000-0-	0000-0-	0000-0-	000*0-	-0.001	-0.007	-0.058	-0.370	-1.211	-2.541
j	-0.000	000.0-	-0.000	000*0-	-0.001	-0.004	-0.030	-0.211	-0.880	-2.068
,	000.0-	-0.000	000.0-	-0.000	-0.001	-0.003	-0.017	-0.122	-0.619	-1.673
•	000.0-	00000-	-0.000	000.0-	-0.001	-0.002	-0.011	-0.073	-0.425	-1.344
ı	00000	0000-0-	-0.000	-0.000	-0.000	-0.005	-0.008	20.0-	-0.289	-1.069
	000.0	-0.000	000.0-	-0.00.0	-0.000	-0.001	-0.006	-0.032	-0.197	-0.841
1	0.001	00'0 - 0-	0000-0-	-0.000	0000-0-	-0.001	-0.005	-0.024	-0.139	-0.657
1	-0.058	90000	-0.001	-0.000	000.0-	-0.001	-0.003	-0.014	-0.067	-0.353
1.		-0.125	-0.014	-0.002	-0.000	-0.001	-0.003	-0.010	-0.041	-0.201
•	-1.703	-0.769	-0.172	-0.021	-0.002	-0.001	-0.002	-0.008	-0.029	-0.129
,	-2.796	-1.713	-0.774	-0.174	-0.021	-0.003	-0.005	-0.006	-0.023	-0.092
,	-4.174	-2.685	-1.593	-0.674	-0.137	-0.016	-0.003	-0.006	-0.019	-0.071
ł	74	-3.891	-2.440	-1,369	-0.504	-0.086	-0.011	-0.00.6	-0.016	-0.058
•	-7.177	-5.244	-3.453	-2.094	-1.069	-0.314	-0.045	600.0-	-0.014	-0.047
,	-8.595	-6.488	-4.603	-2.913	-1.679	-0.729	-0.157	-0.022	-0.014	-0.041
1	-10.069	-7.689	-5.682	-3.861	-2,328	-1.225	-0.405	-0.065	110.0-	-0.037
7	-11:491	-6.959	-6.693	-4.794	-3.070	-1.743	-0.768	-0.174	-0.030	-0.034
-1	-19,535	-15.718	-12.294	-9.344	-6.824	-4.713	-3.006	-1.642	-0.686	-0.159
		1								

ATOMIC SPECIES : SI 6

T DSG	1 000 000	0000	000	000	0 0 0	3_000	0 0 4	000	9	0 0 0 t-
1 1908	-75.946	-80.000	-80.000	-80.000	-80.000	-80-000	-80.000	-80.000	-80.000	***
1,2000	-66.299	9.29	· 01	-75,308	-80.000	-80 000	-80.000	-80.300	-80.000	-80.000
3000	-58,206	-61.115	-64.105	-67.107	-70.143	-73 396	-77.122	-80.000	-80.000	-80.000
1 4000	-51.633	-54.171	-57.080	-60.071	-63.080	-66 176	-69.644	-73.508	-77.461	-80.000
1 5000	-46.278	-46.434	-51.037	-53,968	-56.963	-59 997	ď	-66.960	0.88	-74.902
16000	-41.670	-43.700	-45.935	-48.649	-51:607	7	.73	S	-65.119	-69.091
17000	-37.626	-39.614	-41.677	-44.055	-46.888	-49 853	-52,925	-56,258	-60.030	-63,965
18000	-34.112	-36.004	-38.009	-40.151	-42.733	-45.658	-48.674	-51.871	-55.512	-59.407
1,9000	-31.184	-32.817	-34.760	-36.801	-39,111	-41.898	-44.881	-47.989	-51.484	-55,335
20000	-28.769	-30.075	-31.859	-33,846	-35,980	-38.547	-41.471	-44.525	-47.883	-51.662
21000	-26.675	-27.784	-29.292	-31.196	-33 ¤40	-35 583	-38,395	-41.406	-44.651	-48,340
22000	-24.793	-25.829	-27.078	-28.810	-30 794	-32 973	-35.619	-38.579	-41.738	-45, 326
23000	-23.080	-24.091	-25.193	-26.683	-28 83	-30 661	-33.119	-36.005	-39.099	-42,583
24000	-21,508	-22,513	-23.552	-24.822	-26_576	- 2B 586	-30.879	-33,656	-36.694	-40.079
25000	-20-052	-21.063	-22.079	-23,208	-24 764	-26.701	-28.870	-31.509	-34.493	-37,788
26000	-18.724	-15.725	-20.732	-21.791	-23 197	-24,958	-27.060	-29.551	-32.469	-35.686
27000	-17.485	-18.485	-19.488	-20.515	-21 720	-23 413	-25.413	-27.767	-30.602	-33, 752
28000	-16,333	-17,333	-18.334	-19.347	-20.457	-21.959	-23,903	-26.142	-28.878	-31,965
00062	-15.258	-16.258	-17.259	-18.265	-19,323	-20.676	-22.512	-24.659	-27.284	-30.310
00000	-14.254	-15.254	-16.255	-17,258	-18.289	-19,515	-21.230	n	-25.811	-28,773
32000	-12,431	-13.431	-14.431	-15.433	-16842	-17.526	-18,967	0.88	-23.189	-26.007
34000	-10,819	-11.819	-12.819	-13.819	-14.823	-15.854	-17.079	-18.802	-20.943	-23,594
36000	-9.382	-10.382	-11.382	-12,382	-13.384	-14.397	-15.502	-17.004	-19.000	-21.480
38000	-8.093	Ų.	-10.093	-11.093	-12_094	-13_100	-14.150	-15.461	-17.301	-19.624
00004	0E6.9-	-	-8.930	-9.930	106.01	426	-12,959	-14.140	-15.806	-17,989
4 2000	m SI	v	-7.876	-8.876	-9.876	-10.878	-11.892	-12,996	-14.491	-16.540
44000	-4.914	-5.914	-6.914	-7.914	-8.915	-9.916	-10.925	-11.986	-13,336	-15.250
46000	-4.035	-5.035	-6.035	-7.035	-8.035	-9.036	-10.042	-11.080	-12.321	-14.096
48000	-3.226	-4.226	-5.226	-6.226	-7.227	-8.228	-9.232	-10.257	-11.421	-13.061
20000	-2.4B2	-3.481	-4.481	-5.481	-6.481	-7 482	-8.485	-9.503	-10.617	-12.131
55000	-0.905	-1.853	-2.848	-3.847	-4.848	-5 B48	-6.850	-7.860	-8.912	-10.194
00009	\$r.1.0	-0.603	-1.492	-2.479	-3.478	-4 a79	-5.480	-6.487	-7.517	-8.674
65000	010	-0.082	-0.485	-1,333	-2.314	-3 B13	-4.314	-5,319	-6.340	-7.436
■00004	401.0-	-0.020	-0.081	-0.481	-1.328	-2,310	-3.309	-4.313	-5.328	-6.395
75000=	1.9.0-	-0.119	-0.025	-0.105	-0.56A	-1.447		-3.436	44	-5.498
■ 60008	-1.460	-0.570	-0.106	-0.031	-0.164	746	-1.670	0	-3.674	-4.714
85000 ₽	-2.364	-1,298	-0.454	-0.077	-0.047	-0 289	-1.020	-1,983	-2.988	-4.019
00006	-3.473	2.0	0	-0.306	-0.051	-0 094	3	-1.384	-2.376	-3.401
95000	-4.78Z	-3.016	-1.731	-0.762	-0-170	-0 047	-0.220	-0.877	-1.828	-2.846
1000001	-6 m 073	-4.130	-2.488	-1.325	-0.465		•00	4.8	.34	-2.345
125000,	-12 588	-9.735	-7.213	-5.053	-3.207	-1 726	-0.710	-0.158	-0.119	-0.561
1500.00,	-20_127	-15.962	-12,337	-9.1.87	-6.558	36	-2.607	-1.264	-0.410	-0.126
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LOG OF THE IONIZATION FRACTION

ATOMIC SPECIES : SI 7

0000 7 0000				000 -80 000								059 -59 01Z					901	504											2					235 -0.933
	000 08-								-63.800				-50 209				-36											1						-0.235
5.000	-80.000	000.08-	000.08-	-80.000	-75.049	-70.778	-66.862	-63.268	-59,969	-56,934	-54,138	-51,551	-46.907	-45.854	-39,300	-36.183	-33.442	-31.010	-28.827	-26.848	-25.038	-23,375	-19.740	-16.699	-14.111	-11.882	-6.639	-8.231	-6.718	-5,377	-4.202	-3.209	-0.552	-0.136
4.000	-80 • 000	80.000	-80.000	-75.758	-71.165	-67.003	-63,225	-59.779	-56.615	-53.697	-50.992	-48.482	-43.991	-40.132	-36.799	-33.873	-31.262	-28.907	-26.765	-24,810	-23.013	-21,357	-17.731	-14.692	-12.107	-9.878	-7.937	-6.237	-4.755	-3.513	-2.545	-1.810	-0.111	-0.602
3.000	-80.000	-80.000	510.	-72,113	-67.708	-63.711	-60.056	-56.697	-53.606	-50.763	-48.155	-45.768	-41.550	-37.908	-34.694	-31,823	-29.237	-26.893	-24.758	-22.804	-21.009	-19.354	-15.729	-12.691	-10.106	-7.879	-5.951	-4.312	-3.025	-2.087	-1.372	-0.804	-0.148	-1.600
2.000	-80.000	-80.000	-73.671	-68.935	-64.629	-60.701	-57.119	-53.867	-50.923	-48.251	-45,804	-43.542	-39.467	-35.877	-32.682	-29.817	-27.234	-24.891	-22.757	-20.803	-19.008	-17.353	-13.728	-10.690	-8.107	-5.898	-4.072	-2.731	-1.782	-1.044	-0.495	-0.186	-0.687	-3.110
1.000	-80.000	-75.794	-70.627	-65.950	-61.730	-57,947	-54.564	-51,510	-48.719	-46.141	-43.746	-41.511	-37.457	-33,873	-30.680	-27.817	-25.233	-22,891	-20.756	-18,803	-17.008	-15,353	-11.728	-8.691	-6.125	-4.051	-2.609	-1.597	-0.812	-0.298	-0.088	-0.048	-1.677	-5.041
000-0-	-80.000	-72,807	-67.723	-63.218	-59.240	-55.677	-52.434	-49.451	-46.692	-44.128	-41.740	-39.508	-35.456	-31.873	-28.680	-25.816	-23,233	-20.891	-18.756	-16.803	-15.008	-13,353	-9.729	+02.9-	-4.277	-2.651	-1,529	-0.673	-0.189	-0.048	-0.058	-0.217	-3.104	-7.387
-1.000	-75.544	-70.023	-65.215	-60.969	-57.138	-53.638	-50.418	-47.445	-44.689	-42.127		•				-23.816	-21,233	-18,891	-16.756			-11.353				-1.590	-0.623	-0.137	-0.033	-0.081	-0.347	-0.874	-4.982	-10.103
-2.000	-72.911		-63,106	-58.934	-55.126	-51.634	-48.417	-45.444	-42.689	-40.127	-37.739	-35.507	-31.456	-27.872	-24.680	-21.816	-19.233	-16.891	-14.756	-12.803	-11.008	-9.355	-5.786	-3.326	-1.808	-0.674	-0.121	-0.026	-0.100	-0.471	-1.128	-1.864	-7.183	-13,302
T D≤G .0G PE</td <td>900</td> <td>20000,</td> <td>21000</td> <td>22000,</td> <td>23000</td> <td>24000</td> <td>25000</td> <td>2,6000</td> <td>27000</td> <td>28000</td> <td>29000</td> <td>30000</td> <td>32000</td> <td>34000</td> <td>3,6000</td> <td>38000</td> <td>■00004</td> <td>4 2000</td> <td>4 4000</td> <td>4 6000</td> <td>00084</td> <td>80000</td> <td>\$ 5000 \$</td> <td>00009</td> <td>6:5000</td> <td>70000</td> <td>75000</td> <td>80000</td> <td>85000</td> <td>00006</td> <td>95000</td> <td>100000</td> <td>25000</td> <td>000</td>	900	20000,	21000	22000,	23000	24000	25000	2,6000	27000	28000	29000	30000	32000	34000	3,6000	38000	■00004	4 2000	4 4000	4 6000	00084	80000	\$ 5000 \$	00009	6:5000	70000	75000	80000	85000	00006	95000	100000	25000	000

ATOMIC SPECIES SI 8

T DEG K/LOG DE	-2.000	-1.000	0a?	000	2.000	000 E	4.000	5.000	6.000	7.000
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27000	10.034	180.000	-80.000	-80.000	180.000	180.000	-80.000	-80.000	000000	1000
28000	-71.849	-74.849	-77.850	-80.000	-80.000	-80.000	-80.000	-80°000	-80.000	-80.000
290 00	-67.891	-70.891	-73.892	-76,898	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000
300.00	-64.194	-67,194	-70.194	-73,197	-76.228	-80.000	-80.000	-80.000	-80.000	-80.000
32000	-57.480		-63.480	-66.481	-69.491	-72,575	-76,015	-80.000	-80.000	-80.000
34000	-51.543		-57.543	-60.543	-63.547	-66.578	-69.802	-73.524	-77.659	-80.000
36000	-46.253	-49.253	-52.253	-55,253	-58,255	-61,253	-64,372	-67.872	-71.864	-76,331
38000	-41.509		-47.509	-50.509	-53.510	-56.516	-59.565	-62,875	-66.710	-71.021
40000	-37,229	-46.229	-43.229	-46.229	-49.230	-52,233	-55,258	-58,437	-62.100	-66.271
42000	-33 .348	-36.348	-39.348	-42,348	-45.349	-48.351	-51,364	-54.467	-57.959	-61.998
44000	-29,812		-35.812	-38,812	-41,812	-44.814	-47.822	-50.882	-54.229	-58,134
46000	-26.576	-29.576	-32.576	-35.576	-38.576	-41.577	-44 . 583	-47.620	-50.857	-54.624
48000	-23.603	-26.603	-29.603	-32,603	-35,603	-38.604	-41.608	-44.632	-47.793	-51.425
50000	-20.863	-23,861	-26.861	-29.861	-32.861	-35.862	-38.865	-41,882	-44.994	-48.500
55000	-14.914	-17,863	-20.857	-23.857	-26.857	-29,857	-32,859	-35.868	-38,918	-42.194
60000	-10.461		-15.839	-18.826	-21,825	-24.826	-27.827	-30.833	-33,861	-37.012
■ 00099	-7.248	-5.314	-11.717	-14.565	-17.546	-20.545	-23.546	-26.550	-29,569	-32,661
20000	-4.652	-6.568	-8.629	-11.029	-13.876	-15.858	-19.857	-22.860	-25.874	-28.936
75000	-2.827	-4.330	-6.235	-8,315	-10.778	-13,657	-16.644	-19.645	-22,656	-25.702
00008	-1.614	-2.725	-4.260	-6.185	-8.319	-10.900	-13,824	-15.818	-19.827	-22,863
85000	969.0-		-2.785	-4.408	-6.378	-8.621	-11.351	-14,314	-17,317	-20,345
00006	-0.181		-1.758	-3.008	-4.754	-6.797	-9.223	-12.087	-15.077	-18.099
95000	-0.041		-0.972	-2.001	-3,409	-5.285	-7.458	-10.115	-13.065	-16.080
100000	-0.059		-0.410	-1.242	-2,379	-3,998	-6.004	-8.403	-11,256	-14.256
125000	-2.784	-1.469	-0.548	-0.106	-0.111	-0.570	-1,533	-2.974	-4.933	-7.372
150000	-8.117	-5.534	-3.443	-1.818	-0.736	-0.165	-0.144	-0.672	-1.768	-3,465

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ATOMIC SPECIES

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	14,087		16.083	-7.078	-8-057	19.027	***	***	***	***
	11.258	-7 235	-3.231	-4.227	-5 218	-6_198	****	****	****	* * * * * * * * * * * * * * * * * * * *
0002	090.0-	-0-394	-1.196	-2.167	-3.158	-4 142	-5.106	***	***	* * * * * * *
8000	-0.002	-0=017	-0.146	-0.696	-1.603	-2 580	-3.550	-4.471	***	本安全本大大
0006	000.0-	-0=001	-0.010	060.0-	-0.517	-1=367	-2,325	-3.282	***	* * * * * *
10000	900.0-	-0.001	-0.001	-0.010	060.0-	-0=511	-1.349	-2.294	-3.207	* * * * * * * * * * * * * * * * * * * *
1 1000	-0,115	-0 013	-0.001	-0.002	-0.015	9 1 9	-0.625	-1.487	-2.400	***
2000	-0.72p	-0 157	-0.019	-0.002	-0.003	-0 029	-0.218	-0.847	-1.722	-2.672
13000	-1.633	-0 716	-0.152	-0.018	-0.003	900	-0.067	-0.406	-1.159	-2.099
14000	-2.475	-1 489	-0.601	-0-114	-0.013	000	-0.022	-0.174	-0.714	-1.603
15000	-3.215	-2 218	-1.243	-0.424	<u>194</u>	008	600.0-	-0.072	-0.399	-1.181
16000	-3.898	-2 867	-1.876	-0.928	-0.243	0 032	-0.007	-0.032	-0.208	0.832
17000	-4.671	-3 458	-2.447	-1.468	-0.587	110	-0.014	-0.316	-0.108	-0.559
18000	-5.572	-4 085	-2.963	-1.971	-1.019	-0 291	-0.041	-0.012	-0.058	-0.363
19000	80	-4=826		-2.427	-1.454	-0 580	601.0-	-0.017	-0.034	-0.232
20000	4	-5=577		-2.849	-1.858	-0 923	-0.244	-0.035	-0.023	-0.135
•		W W	1	-3.287	-2.227	-1.270	-0.451	-0.076	-0.021	-0.088
•	ني و	-6-864	•	-3.783	-2.576	-1,596	-0.705	-0.154	-0.027	-0.061
23000		-7 426	1	-4.316	-2.940	-1.898	-0.973	-0.275	-0.044	-0.045
•		696 2-	1	-4.834	- H . H 46	-2_183	-1.235	-0.437	-0.077	-0.038
• .	-10.634	-6 539	1	-5.317		-2 471	-1.482	-0.625	-0.131	-0.037
• _•		-9 183	1	-5.765	-4.219	-2 786	-1.713	-0.822	-0.209	-0.044
.		558 5-	:1	-6.188	-4.634	-3 135	-1.940	-1.016	-0.311	-0.059
٠	ın	-10 629	4	-6.598	-5.026	-3 493	-2.175	-1.202	-0.430	-0.083
29000		-11 356	-8.965	-7.008	-5.395	-3 846	-2,431	-1.381	-0.561	-0.118
· _•	-14.876	-12 072	-9.584	-7.441	-5.751	-4.185	-2.706	-1.557	-0.696	-0.166
=	-16.793	-13=562	-10.827	-8.414	-6.446	-4.81m	-3.291	-1.933	-0.963	-0.292
	-18.668	-15=206	-12.088	-9.460	-7,195	-5.41.	-3.842	-2,362	-1.226	-0.428
	-20.494	-16 854	-13.463	-10.519	-8 030	96m C I	-4.350	-2.832	-1.510	-0.586
38000	-22.412	-18 449	-14.892	-11.636	-8.905	-6.617	-4.842	-3.277	-1.849	-0.752
4 0000	-24,363	-20 080	-16.286	-12,833	+08.6-	-7.293	-5.314	-3,695	-2.199	-0°934
42000	-26.227	-21 775	-17.668	-14.042	-10.758	-8 015	-5.817	-4.086	-2.554	-1.144
00044	-28-018	-23 443	-19.098	-15.228	-11 76B	-8.755	-6.342	-4.468	-2.896	-1,383
6000	-29.842	-25 043	-20.557	-16.416	-12 77 ₀	-9.534	006*9-	-4.863	-3,223	-1.642
8000	-31.730	-26 621	-21.986	-17.639	-13.782	-10.363	-7.485	-5.256	-3.533	-1.910
0000	-33.597	-28 242	-23,372	-18.881	-14.786	-11.201	-8.099	-5,669	-3.834	-2,176
5000	-38,152	-32 319	-26.877	-21.897	-17.377	-13.292	-9.768	-6.820	-4.596	-2,813
0000	-42_679	-36 316	-30,393	-24.923	-19.940	-15.448	-11.481	-8.097	-5.420	-3.409
0000	-46.708	-40 225	-33.861	-27.942	-22,508	-17.599	-13.227	-9.450	-6.339	-4.004
0000	-50.215	-43 717	-37.240	-30.916	-25.080	-19.749	-15.015	-10.849	-7,381	-4.638
0000	-53.290	-46=751	-40.295	-33,834	-27.605	-21.909	-16.782	-12.288	-8.452	-5,337
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000	-77.829		-63.467	-56.881	-50.373	-43.866	-37,366	-30,878	-24.401	-18.035
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•0006	-67,110	-71.111	-75.119	-80.000	0	0	-80.000	•	*	***
10000	-55.263	-59.258	m	-67.266	-71.343	-75.75.7	-80.000	80.000	-80.000	****
11000	-45.636	-45.534	-53.522	-57.521	-61.532	-65.637	-70.120	-74.941	-80.000	****
12000	-38.102	-41.531	-45.392	-49.375	-53.374	-57.394	-61.570	-66.164	-70.956	-75,663
	-32.087	-35.169	-38.605	-42.470	-46.452	-50.453	-54 . 500	-58.809	-63.488	-68,244
	-26,974	-25.986	-33.097	-36.609	-40.506	-44.493	-48.501	-52,625	-57.100	-61.840
15000	-22,541	-25.535	-28.557	-31_737	-35,377	-39,315	-43.306	-47.344	-51.613	-56.261
00001	-18.707	-21.642	-24.640	-27.688	-31,001	-34.786	-38 • 752	-42.755	-46.878	-51,381
120001	15.545	18.23	-21.190	-24.198	-27,312	-30.831	-34.727	-38.710	-42.751	-47.093
	-13.037	-15,349	-18.137	-21,113	-24.148	-27.414	-31 • 156	-35.109	-39,108	-43,311
	-10.922	-13.014	-15.479	-18,359	-21.358	-24.473	-27.992	-31.883	-35.857	-39,961
	-0-047	-11.069	-13.257	-15.910	-18.859	-21.900	-25.209	-28.982	-32,930	-36,955
	-7.350	93.338	-11.419	-13.782	-16.608	-19.606	-22.767	-26.373	-30.280	-34.265
	040	-7.816		-11 988	-14.594	-17.533	-20.607	-24.033	-27.869	-31,826
	E45.44	-6-418	œ	-10-408	-12.827	-15.652	-18:•669	-21.941	-25.672	-29.600
	13.402	991-1199	-	in	***	-13,951	-16.910	-20.069	-23.669	-27.559
	479.61	- A-0-83	5.936	-7.927	-10.005	-12,433	-15.304	-18,383	-21.844	-25.682
	-2.001	13.198	4	-0.8ZH	-8.853	-11.101	-13.835	-16.852	-20.185	-23,950
• 000	000	0.4.01		1 6	-7.809	-9.940	-12.501	-15.449	-18.675	-22,352
• 0000	410-01	00000	-3-147	-4:082	-6.851	-8.915	-11,301	-14.157		-20.874
	W. C. O.	-1.387	-2.458	-4.048	-5.965	-7.990	-10.234	-12.968	-16.035	-19.510
9	1000	0 40	-	3.318	15.145	-7.142	-9.286	-11.877	-14.872	-18.249
2 (1000	316	000-1-	-2.171	-3-710	-5.625	-7.665	-9.980	-12.798	-16.004
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75,00.	-14,931	-12.423	∵	-7.372	-4.975	12.987	-1.446	9 (1.10	9 r
80,00	-16.253	-13.749	-11.240	-8.717	-6.209	-3.952	-2.142	-0.870	-0.234	7
90°08	-17.429	-14.928	+12,423	016.6-	-7,387	-4.948	-2,897	•	-0.416	N.
0	-18,485	-15.584	-13.481	±0.974	-8.457	-5,953	-3.677	888	-0.689	-0.224
	-19.438	-16.937	-14.436	+1.932	-9.421	-6.904	-4.482	.47	9	-0.295
0	-20.303	-17.803	-15.302	-12 800	-10.293	-7.778	-5.292	m		ņ
	-23.689	-21.180	-18.679	u	-13.678	17	9	9		φ,
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14000	-48.376	-52,308		-61.011	-65.908	-70 =394	-75.900	-80.000	-80.000	-80,000
15000	-41.680	A6. 47A		-53.876	-58.517	-63 154	-68.444	-73.477	00	-80.000
16000	-35.862	139. T98	-43.796	-47.843	-52.156	-56 141	-61.906	-66.904	-72.018	-77.495
17000	-30.945	-B4*6B7	-38.590	-42,599	-46.712	-51 231	-56.126	-61-105	-66,137	-71:457
18000	-26.874	130,186	-33.974	-37.950	-41.985	-46 251	-50.991	-22.50-	-60.933	-66,115
19000	-23,357	-26.449	-29.914	-33.794	-37.793	-41 107	-46.426	-51. 314	-56.280	-61,365
20000	-20.217	-23,239	-26.427	-30.080	-34.029	-38)70	-42.377	-47-148	-52,089	-57.097
0	-17.382	-20,381	-23.442	-26.805	-30.631	-34 529	-38.788	-43, 193	-48,293	-53,262
0	-14.827	-17.794	-20.810	-23,966	-27,572	-31 510	-35,583	-40)08	-44.838	-49,780
23000	-12.564	-15.439	-18.431	-21.489	-24.848	-28 172	-32 • 689	-36º 159	-41,685	-46,599
24000•	-10.634	-13,308	-16.259	-19.276	-22.453	-26 192	-30.052	a 02 * em-	-38,803	-43.681
25000	-9.005	-11.415	-14.268	-17.259	-20.337	-23 164	-27.634	-31,713	-36.169	-40.994
28000	-7.583	4 0 0	-12,453	-15.405	-18,434	-21 1382	-25.416	-29.431	-33,759	-38,514
27000	-6.303	-8 374	-10.821	-13.694	-16.694	-19 325	-23,385	-27,331	-31,553	-36,220
28000	-5.151	-7 136	-9.384	-12,118	-15.087	-18 [51	-21.537	-25,392	-29.528	-34.095
29000	-4.144	-6 018	-8.130	-10.679	-13.596	-16 521	-19.865	-23.598	-27.661	-32,126
30000	-3,312	-5 007	-7.021	-9.383	-12.210	-15 207	-18,351	-21.e40	-25.932	-30,299
32000	-2.082	-3 350	-5.116	-7.205	-9.744	-12 559	-15.698	-19.012	-22,828	-27,025
34000	-1.158	-2 196	-3.579	-5.451	-7.690	-10 130	-13.410	-16.547	-20.130	-24.191
36000	-0.478	-1.38	-2.446	-4.002	-6.016	961 8-	-11,391	-14 439	-17.795	-21,693
38000	-0.136	-0 072	-1.615	-2.860	-4.628		-9.599	-12,589	-15.781	-19.488
40000	-0.037	-0 Z53	-0.959	-2.006	-3.477		-8.015	-10.937	-14.030	-17,538
4 2000	-0.031	a/0.0-	-0.472	-1.345	-2.561	-4 =325	-6.634	-a-421	-12,480	-15.818
44000	-0-110	-0.034	-0.189	-0.818	-1.854		-5.445	18.411	-11,088	-14.298
46300	-0.358	-0.059	-0.072	-0.430	-1.293		4.427	-6.911	-9.823	-12,945
4 8000	-0.789	-0.180	-0.044	-0.197	-0.840		-3.557	-5.845	-8.669	-11.729
0000	-1.306	•	-0.080	-0.089	-0.494		-2.822	-4.907	-7.614	-10.623
55000	-2.872	• • • • • • • • • • • • • • • • • • •	-0.600	-0-119	-0.100		-1.497	7.018	-5.372	-8.233
0000	-4.832	-2.942	-1.577	609*0-	-0.126		-0.678	oa h	-3.649	-6.266
65000	-6.529	-4.662	-2.842	-1.437	-0.507		-0.242	a 26 0	-2.383	-4.652
70000	-7.780	590.9-	-4.242	-2.479	-1.164		-0.114	-0 46 W	-1.493	-3,359
75000•	-8.709	-7.124	-5.432	-3,639	-1.980		-0.198	a08.01	-0.882	-2,359
80000	-9.469	-7.938	-6.352	-4.664	-2.911		-0.473	047.01	-0.482	-1.612
85000	-10.129	•	-7.081	-5.486	-3.794		-0.884	-0.226	-0.257	-1.067
• 00006	-10.717	-T-12	-7.696	-6.151	-4.538	2 357	-1,375	0 m	-0.173	-0.680
95000	-111.247	-9.745	-8,237	-6.716	-5.155	-3 524	-1.922	-0.743	-0.198	-0.421
100000	-11.728	-10.227	-8.724	-7.213	-5.680	L4 338	-2.478	-1.103	-0.314	-0.270
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32000		-74.778	-80,000	-80.000	-80.000	-80 • 000	-80.000	-80.000	-80.000	-80.000
34000	-63.017	-67.055	171,437	-76.309	-80.000	-80.300	-80.000	-80.000	-80.000	-80.000
36000		-60.350	40	-69.014	-74.027	-80.000	-80.000	-80.000	-80.000	-80.000
00000 m	906.90G	104.440	158,387	-62.632	-67.401	-72.627	-80.000	-80.000	-80.000	-80.000
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1	-18.012	-19.028	120.163	-21,744	0.08 60	-26-411	720.540	-33.277	-37.679	-42.041
	15.598	16.500	009. 411	407.41	100	25.00	105.400	128.740	1	147.646
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95000	-7.289	- 5.289	-9:289	-10.290	-11.293	-12,317	-13.507	-15,233	-17,652	-20.860
100000	-6.117	-7.117	8,117	-9.117	-10.118	-11.129	-12.215	-13.680	-15.825	-18,755
125,000	-1.641	•	3.631	-4.631	-5.5H	-6.632	-7.638	-8.669	-9.866	-11.633
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ATOMIC SPECIES : /	Ap 11									
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•00009	140.004	147.040	210.16-	-24.647	-58 • 163	-62.178	-60.714	-71.833	-77.680	D 1
65000	-40.899	-42.915	-45.051	-47.631	-50.696	-54.298	-58.429	-63.164	-68.565	, ,
*0000L	-35.752	-37.754	-39.776	-41.952	-44.615	-47.790	-51.556	-55.903	-60.930	0
75000	-31.282	-33.282	-35.286	-37.325	-30.595	-42.408	-45.780	-49.782	-54.457	- 5 926
80000	-27.361	-29.362	-31,363	-33.372	-35.452	-37,893	-40.919	-44.577	-48.914	សា
₽ 2000•	-23.894	-25.895	-27.895	-29.897	-31.920	-34.102	-36.797	-40.118	-44.140	4 942
•00006	-20.806	-22.806	-24.806	-26.807	-28.814	-30.880	-33.273	-36.288	-40.003	4 500
95000	-18.036	-20.036	-22.036	-24.036	-26.039	-28.064	-30 -253	-32.979	-36.398	1 4 504
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125000	066.6-	-7.981	-9.980	-11.980	-13.981	-15.982	-17.987	-20.018	-22.215	- 2 981
150000	5	-2.083	-3.633	-5.547	-7.537	-9.537	-11.539	-13.548	-15.586	-11 780

LOG OF THE IONIZATION FRACTION

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AHOMIC HOMCIES

7.000 1 80 000 1 80 000 1 1 1 77 -80.000 -80.000 -80.000 -80.000 -80.000 -80.000 -75.568 -63, 752 -58.839 000 081 000 -69.292 -40.982 -29,967 7.000 000 081 000 081 000 2000 9 6000 -80.000 -80.000 -80.000 -76.601 -37.216 000 -80.000 -80.000 -69.767 -63,797 -58.547 -53.911 -80.000 -80,000 -80.000 0 0 9 -77.341 -57.714 00000 -76.992 180 000 171 265 164 746 159 082 154 128 149 767 134 019 -80 000 -80 000 -80 000 -80 000 -80 000 -80 000 -72 145 -52 677 5_000 -73 841 -51 597 -36 946 -80 •000 -70 •930 S_000 -80.000 5<u>000</u> 00000 000 g -80 • 000 000.081 000 • 081 -73.797 209.991 -60.426 150.402 4.000 155.067 986 • 021 -46.301 180.000 -80.000 -67.114 -64.948 0000 + 000*081 000.081 **-75.179** -69.376 -47.566 **-32.937** 602.4 -80.000 -47.668 00?* -80.000 000e 465 -43 216 -27 983 -17 725 -69 425 -62 581 -56 730 -51 574 180 000 180 000 177 338 170 990 165 290 164 361 000 m 000 213 3_000 000 m 3 000 -80 - 000 -77.55D -62,109 000 m -80.000 -80.000 -80.000 -58.946 -42.666 -47 -80 -80.000 -80.000 -73.290 -65.612 -53.549 -48.608 -44.189 -40.205 -14.725 2 000 0000 000 8 -80.000 -70.660 2,000 -59.139 -24.982 -80.000 -61.280 -77.718 2.000 -80.000 -73.272 -66.965 -39.560 -24.935 -52.946 2.000 **0 0 m m** I 1 m m 1 1 180 000 180 000 152 107 132 675 180.000 160 m -57.278 000 -80.000 -56.059 -50.526 000 0 0 6 -69.627 -62.342 -41,186 -37.204 -11.735 000 -80.000 -76.296 -69.265 -20.945 -71.718 -46.955 -45.601 -21.982 -62,962 000 -47.107 -50.75B -80.00-00000 -80.000 -74.786 -59.304 -53,050 -47.523 -42.600 -38.185 -34.204 -18,982 -80.000 -65.264 -31.559 -80.000 -75.998 000 -65.718 00000 -66.451 000000 -72.293 -58.962 -53.278 -17.031 000.01 -41.041 -8.821 -31.203 -45.278 -42.108 -50.049 -44.523 000 -80.000 -71:650 -63,429 -56,300 -39.600 -35.185 -6.271 -1.00 -76.185 -68.293 -61.264 -54.961 -1.00 -80.000 10.998 -23.211 1.000 I -59.719 -35.491 -1.000 -80.000 -50.205 -13.481 -2 000 000 2 -2.00 -32,185 -68.634 -60.427 -53.299 -47.049 -41.523 -36.600 -28.203 -4.184 000 N -72-185 -57.263 -45.278 -73,560 -65,998 -19.125 12.000 1 -73,350 -44.118 -12,991 -64.293 -50.961 -23,569 -10.394 -37.117 -30.404 AR 16 AR 15 w ₩ a ш a ä W > 0 ** •• •• BLOWIC SPSCISE DEG K/LEG DMG </LOM DEG WILDG ATOMIC SPECIES DEG KALDG ATOMIC SPECIES DEG </LOG ATOMIC SPACIER 95000 75000 80000 B5000 00006 95000 • 100000 • 125000 • 65000 70000 00000 80000 85000 90000 100000 125000 • 150000 125000 95000 150000 125000. 150000. 150000 50000 H ٠,

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0	649	209.0-	-0.115	013	ô	00	00.	400	10.0	-0.075
0	-2.325	-1.343	-0.492	P80 01	00	-0.001	-0.001	000	0.01	-0.061
0	-3.064	-2.066	-1.099	45E 01	-0.048	0	00.	600 0	00.0	-0.051
0	-3.746	-2.719	-1.727	961 01	-0.184	-0.023	-0.003	m 0 0	00.	-0.031
0	-4.485	-3.316	-2.306	-1.327	4	-0.081	600.0-	00 º 0-	00.0	-0.026
0000	-5.366	-3.921	-2,832	-1.837	-0.894	-0.227	-0.030	500.0-	900.0-	-0.023
■0000	-6.235	-4.620	-3,333	-2.306	-1.331	-0.486	-0.083	0	000	-0.020
~	-6,992	-5.368	-3.869	-2.737	-1.747	-0.819	-0.195	-0.026	-0.008	-0.017
_	959.2-	-6.059	-4.470	-3.156	÷	-1.170	-0.382	-0.060	-0.011	-0.016
\sim	-8.276	-6.673	-5.080	-3.604	-2.484	-1.510	-0.627	-0.125	0	-0.015
a	-8.942	-7.233	-5.645	-4.094	-2.825	-1.824	-0.899	-0 235	-0.035	-0.015
0.000	-9.724	-7.781	-6,162	-4.591	-3.180	-	-1.171	-0 389	0	-0.017
0	-10.582	-6.383	-6.646	-5.063	m		-1.429	-0.576	-0.113	-0.023
000	-11:4445	-8.071	7.125	-5.506	-3,964	Ö	-1.667	-0.779	-0.187	-0.032
	-12.271	-5.814	-7.642	-5-927	-4.359	-2.946	88	•	0.28	-0.048
0	-13.071	-10.560	-8.223	7 €€ 33 7	-4.737	-3.251	600	-1 76	-0.408	-0.073
0	-13.869	-11.286	-8.852	-6.767	-5.102	-3.567	30	-1.357	40.0	70 T • 0 -
0	-15-606	-12.689	-10.127	-7-752	-5.808	-4.190	-2.763	-1.586	-0.825	-0.213
0	-17.479	-14.177	-11,353	-8.836	-6.581	-4.799	-3.257	-2.000	-1.087	-0.358
0	-19.281	-15.796	-12.606	N05 •6-	-7.461	39	.75	-2.354	-1.323	-0.520
0	-21.050	-17,392	-13.971	-10.957	-8.373	-6.066	-4.248	-2.733	-1.565	-0.680
0000	-22.916	-18.937	-15.367	-12.071	-9.270	-6.799	-4.747	13.120	11.012	-0.833
\sim	-24.819	-20.523	-16.723	-13.254	-10.174	-7.562	30	13.024	C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	400.0
0	-26.666	-22.177	-18.068	4	-11.126	-8.310	-5.891	-3.929	2.379	-1+145
0	N,	O.	-19.462	-15 e96	-12.122	-9.065	-6.503	14.301	12.08	-1.322
0	-30.388	-25.422	-20.890	-16.755	-13.121	ຄຸ	-7.120	500°61	13,003	1.520
0000	L40-0E-	-27.036	-22.303	-17,949	-14.105	-10.675	-7.738	197.6-	20000	000.00
0	8	m	-25,801	-20.978	-16.599	4	-9.368	0.037	107.41	
\sim	4	E)	-29.327	-23.982	-19.161	-14.825	-11.061	-7.818	761.6-	786.7
a	-45.683	-36.008	-32.139	-27-005	-21.707	Ó	9	701.6	41.0	Ů.,
0	20	4	-36.181	120,950	-24.277	19.09		0.0	200	14.440
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. , .	5	-31,570	-32,594	***	***	***	****	****
	-22.295	-23,293	-24.292	-25.293	***	***		
1	-16.742	7.740	-18.738	-19.734	***	***	***	***
* -	77.0	1131748	-14.140	10.728	-13.721	-14-708		***
	-7.374	-8.374	-9.372	-10.359	-11,363	-12.356	***	***
٠.	-5.474	-6.474	-7.472	-8.470	+9±46-	-10.456	44.	* * * * * * * * * * * * * * * * * * * *
	-3.910	4 • BO 9	-5.908		-7.901	-8.892	0	***
	-2.598	_8• a97		ഗ	-6.590	-7.581	-8.570	-9.568
	-1.494	-2• *61 -2• *61	13.479	774.477	15.473	10.400	16.452	-3.401
•	0.000	974*II	1.684	7 €	-3.671	-4.664	-5.651	-6.665
	-0.036	0 N O I	-0.983	-1.939	-2,932	-3,925	-4.912	-5, 921
,	600.0-	0.00	-0.463	-1.300	-2.277	-3.269	-4.256	-5.249
1	-0.006	-0-021	-0.174	-0.771	-1.697	-2.583	-3.670	4.662
١.	610.0-	800	0.050	-0.390	-1.189	70.47	10.140	14.155
1 1	0.255	45040	-0.011	-0.072	-0.442	-1.266	-2.235	-3,221
,	-0.586	-0.109	-0.015	-0.032	-0.233	-0.903	-1.841	-2,824
1	-1.008	-0.283	-0.040	-0.018	-0.117	-0.605	-1.485	-2.460
1	-1.446	-0.567	-0.104	-0.018	-0.060	-0.381	-1.166	-2,126
ł	1.872	-0.918	-0.238	-0.034	-0.034	-0.229	-0.887	-1.820
1 -	-2,283	-1.285	10.452	-0.075	40.004	-0.135	10.651	-1.539
1 1	2.097	040.11	10.724	10.00	0.046	-0.052	0.319	-1.054
1	3.637	-2,341	-1.324	-0.480	-0.084	-0.039	-0.217	-0.852
ī	-4.153	-2,701	-1.618	-0.733	-0.151	-0.037	-0.149	-0.677
Ť	5.124	-3.500	-2.191	-1.183	-0.390	690.0-	-0.07	-0.420
1	5.973	-4,319	-2.800	-1.651	-0.734	-0.167	10.00	-0.255
1 1	-6.834	-5.774	834. 830. 8000.	-2.631	-1.106	10.550	-0.130	-0.116
1	-8.868	-6.554		-3,119	-1.818	-0.871	-0.236	-0.100
,	006.6-	-7.421	-5.314	-3,531	-2.192	-1.139	-0.386	-0.109
ī	-10.946	-8,311	-5.984	-4.130	-2.585	11.400	0.563	-0.144
7	-12.065	194196	-6.7.2	14.04.000 A A A A A A A A A A A A A A A A A A	16667-	1,950	20.01	10.289
	-14.415	-11.060	-8.212	-5.776	-3.809	-2.263	-1.124	-0.391
L	+17.391	-13,567	-10.187	-7.334	-4.934	-3.061	-1.636	-0.683
ï	-20.473	-16,128	-12,306	-8.975	-6.203	-3.941	-2.228	-1.021
٦	23,503	-18,769	-14.470	-10,733	-7.524	-4.921	-2.876	-1.417
7	-26.611	-21,381	-16.707	-12,529	-8.946	-5.963	-3.606	-1.870
12	29.675	-24.049	-18.931	-14.386	-10.408	-7.072	-4.390	-2.368
ï	32.744	-26.692	-21.188	-16.258	-11.915	-8.227	-5.216	-2,912
1	35.678	-29 327	-23.448	-18,137	-13,452	-9.415	-6.084	-3,499
1	38,360	-31,901	-25.685	-20.037	-14.997	-10.632	66.	-4.121
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ATOMIC SPEC S : 4 4

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2.000	-80.000 -63.167 -49.725 -40.070 -32.788	22.52.51 18.74 15.58 15.58 10.57	1 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.0574 0.0574 0.0576 0.0576 0.0576 0.0576 0.0576 0.0576	100.093 100.09	י אור
000	-80.000 -61.171 -47.729 -38.073 -25.095	000000000000000000000000000000000000000	1 2 3 4 4 5 5 1 1 1 2 5 5 1 1 1 3 5 5 1 1 1 3 5 5 1 1 1 3 5 5 5 5	-0.137 -0.057 -0.026 -0.020 -0.032 -0.073	-10.521 -10.048 -10.048 -2.812 -2.812 -4.155 -4.155 -6.093 -7.8 -12.904 -14.329 -14.329 -16.631 -18.948 -21.291 -23.602	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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0 0 •	-77.224 -57.174 -43.731 -34.075 -26.792	1.16.513 1.12.743 1.2.743 1.2.019 1.3.904	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
000 • Z	-75.225 -55.174 -41.732 -32.076 -24.793	12 × 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.8854 10.092474 10.0922 10.0022 10.016	0 212 0 519 1 1 1 0 519 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.5	M M M M M
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10000		420.05	3	142.083	145.680	-48.07.5	100.10-	750.460	000	
11000	-27.022	-30.017	-33.016	-36.015	-39.013	-42.008	-44.996	0.6.74-	15.0	ir F
12000		-24.442	-27.432	-30.431	-33,429	-36,424	-39.414	-42,391	m m	N S
13000	-17.317	-19.806	-25.696	-25.683	-28,680	-31,676	-34.667	-37.646	-40.597	43
1 4.000	-14.088	-16.197	-18.706	-21,603	-24.590	-27.58.5	-30.576	-33 558	-36.513	46
15000	-11.353	-13.371	-15.519	-18.109	-21.034	-24.023	-27.014	-29.997	5.45	8
16000	-8.963	-10.961	-12.992	-15,226	-17.939	-20.893	-23.882	-26.865	-29.828	å
17000	-6.883	-8.840	-10.843	-12.910	-15.296	-18,132	-21 - 106	-24.089	-27.054	29
18000	-5.189	-6.972	-8.945	-10.960	-13,112	-15.708	-18,631	-21.609	-24.576	
1 9/000		-5,390	-7.255	-9.244	-11.295	-13,624	-16.420	-19.382	-22,348	-25,293
20,000	-3.014	-4.170	-5.775	-7.707	-9.718	-11.867	-14.456	-17,371	-20.336	-23,281
21000	-2,208	-3.251	-4.552	-6,332	-8,308	-10,368	-12.736	-15,554	-18.506	-21.452
22000=	-1.491	-2.492	-3.606	-5.130	-7.035	-9.051	-11.250	-13,914	-16.837	-19,782
23000	-0.875	-1.823	-2.858	-4,132	-5.888	-7.865	-9.963	-12.446	-15,312	~18 Z51
24000	-0.413	-1.230	-2,220	-3.339	-4.875	-6.738	-8.828	-11.144	-13.916	-16.842
2E000	-0.157	-0.728	-1.653	-2.694	-4.013	-5.808	-7.806	966 6-	-12.642	-15.543
26000	-0.054	-0.362	-1.149	-2.141	-3,305	-4.926	-6.873	-8.980	-11.484	-14.343
27000	-0.021	-0.154	-0.722	-1.649	-2,721	-4.150	-6.019	-8.058	-10.438	-13,232
28000	-0.017	-0.062	-0.399	-1.209	-2.22	-3.487	-5,237	-7-230	-9.496	-12,205
29000	-0.037	-0.027	-0.195	-0.826	-1.782	-2,929	-4.528	-6.479	-8.647	-11 257
30000	-0.103	-0.021	050-0-	-0.516	-1.386	-2.455	-3.896	-5,777	-7.879	-10 384
32000	-0.505	-0.088	-0.028	-0.157	-0.728	-1.674	-2.863	-4.534	-6.532	-8.8 Bir3
34000	-1.187	-0.385	-0.062	-0.047	-0.299	-1.045	-2.085	-3.502	-5.380	-7.558
36000€	-1.919	-0.935	-0.245	-0.043	-0.105	-0.564	-1.470	-2.679	-4.384	-6.454
3#000	-2.717	-1.563	-0.643	-0.130	-0.048	-0.259	696.0-	-2.033	-3.534	-5.497
40000	-3.692	-2.225	-1.160	-0.365	-0.065	-0.112	-0.579	-1.512	-2,826	-4.660
4 X 000	-4.755	-2.997	-1,709	-0.744	-0.165	-0.062	-0.313	-1.082	-2.245	-3.926
4 4000	-5.782	-3.883	-2.307	-1.187	-0.379	-0.074	-0.162	-0.734	-1.768	-3,288
46000	-6.786	-4.778	-2.997	-1.658	-0.692	-0.150	-0.094	-0.469	-1.370	-2.739
4 B 0 0 0		-5.635	-3.748	-2.170	-1.056	-0.305	-0.080	a O I	-1.038	12.272
00000	-8.868	-6.492	-4.491	-2.747	-1.444	-0.535	-0.113	-0 177	-0.764	-1.875
55000	-11,382	-8.716	-6.299	-4.274	-2.558	-1.277	-0.425	-0 112	0.32	-1.120
00009		-10.948	-8.204	-5.786	-3.792	∾.	-0.979	10 273	Ο.	0 0 0 0
e 5000 =		-13.442	-IO.164	-7.405	-5.036	-3,131	-1.631	-0.627	-0.171	-0 340
70000	0.22	-16.017	-12.330	060.6-	-6.387	-4.130	-2.369	-1.079	-0.326	-0 214
75000 =	3.16	-18.722	-14.562	-10.932	-7.801	-5.219	m ·	-1.596	-0.588	-0 200
80000		-21,311	-16.893	-12,839	-9,329	-6.380	-3,989	-2.171	-0.912	-0 274
85000		-23.650	-19,168	-14.815	-10.933	-7.613	-4.905	-2.791	-1.284	-0.417
00005	-30.252	-25.752	-21.256	-16.797	-12.579	-8.925	.87	-3 46e	-1.704	-0.612
en Lin			-23.150	-18.662	-14.264	-10.278	-6.908	-4 20 m	• 16	-0.846
9		-25.370	-24.871	-20,375	-15.910	-11.663	!	-4.988	-2.685	-1.122
520	40.55	36.0	-31.559	-27.059	-22.560	-18.055	3.60	ກ ຄ	5.81	3.054
150000	-45.208	-40.654	-36.192	-31.692	-27.193	-22.695	-18.200	-13.728	666.6-	-5.633

ATOMIC SPECIES : K 6

T psg	00? ?	0000	0000	000	0 0 0 8	0 0 0	4	000 s	8.000	0 0 0 •
0006	-75.580	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	-80.000	***	***
1 0000	•	-66.778	-70.777	-74.776	-80.000	-80.000	-80.000	-80.000	-80.000	* * * * * *
11000	-52.268	-56.263	-60.262	-64.261	-68.259	-72,253	-76.238	-80.000	-80.000	***
12000	-43.564	-47.477	-51.466	-55.465	-59.462	-63.457	-67.445	-71.415		-80.000
13000	-36.628	140	-44.007	-47.994	-51.991	-55.986	-59.975	-63.949	-67.885	-71.771
4000	-31 062	461	-37.680	2010年19日	+45.563	-49,558	45	-57. 524	-61.467	-65,382
15000	-26.297	1	-32,463	-36.053	-39.978	-43.966	-47.955	-51 •934	-55.882	-59.800
16000	-22.128	-25.126	-28.158	-31 • 392	-35.104	-39.058	-43.045	-47.025	-50.978	-54.898
17000	-18.476	ı	-24.436	-27,503	-30.889	-34.725	-38.697		-46.632	-50.546
18000	-15.383	-18.165	-21.138	-24.154	-27,305	-30.901	-34 • 822	-38.798	-42,756	-46.675
19000	-12.895	-15.32	-18.193	-21.183	-24,233	-27.562	-31,357	-35,316	-39.274	-43.199
20000	-10.821		-15.582	-18:514	-21,525	-24.673	-28.262	-32,174	-36,131	-40.058
21000	-8.989			-16.113	-19,090	-22.149	-25.515	-29,332	-33.277	-37.206
22000	-7.339	-5.340	-11	-13.977	-16,883	-19.898	-23.096	-26.758	-30.675	-34.604
23000		-7.817	0	-12,125	-14,881	-17.858	-20,955	-24,436		-32.220
24000		-6.438	-8.429	-10.547	-13.083	-15.996	-19.035	-22,349	6.11	-30.029
25000	-3.642	-5.213	-7,138	-9.180	-11.498	-14.293	-17.290	-20.479	-24.120	-28.008
26000		-4.179	-5.965	-7.957	-10.121	-12.742	-15.689	-18.793	2.29	-26.139
27000	-2,216	-3.350	-4.917	-6.844	-8.916	-11.345	-14.214	-17,261	-20.626	-24.409
28000	-I.635	-2.680	-4.016	-5.827	-7.840	-10.104	-12,854	-15.855	-19.107	-22,806
29000	-1.116	-2.106	-3.274	-4.905	-6.861	-9.007	-11.606	-14.556	-17.720	-21.320
30000	-0.678	-1.596	-2.665	-4.091	-5.961	-8.029	-10.470	-13,350	-16.449	-19.943
32000	-0.164	-0.746	-1.686	-2.816	-4.387	-6.332	-8.521	-11.191	-14.186	-17.498
34000	• •	-0.232	906.0-	-1.894	-3.146	-4.892	-6.932	-9.347	-12.222	-15,392
36000	ä	-0.058	-0.367	-1:164	-2.227	-3.685	-5.592	-7.800	-10.502	-13.564
38000 ■	Ų,	-0.036	-0.115	-0.600	-1.518	-2.729	-4.439	-6.502	-9.001	-11.957
40000	S	-0.113	-0.044	-0.248	-0.947	-1.994	-3.460	-5.393	-7.704	-10.532
42000	-1 158	•	-0.062	-0.092	-0.512	-1.409	-2.660	-4.428	-6.589	-9.264
44000		-0.790	-0.181	-0.051	-0.239	-0.933	-2.020	-3.591	-5.624	-8.138
46000		-1.303	-0.447	-0.081	-0.107	-0.352	-1.504	-2.878	-4.778	-7.142
48000		-1.864	-0.833	-0.198	-0.064	-0.306	-1.079	-2.285	-4.034	-6.264
20000	14.236	-2.508	-1.279	-0.426	-0.082	-0.159	-0.733	-1.794	-3.379	-5.487
55000	16.465	-4.423	-2.628	-1.315	-0.440	-0.093	-0.217	-0.896	-2.100	-3.896
00009	-8.803	-6.344	-4.269	-2.482	-1.180	-0.357	001.0-	-0.364	-1.237	-2.698
65000	-11.117	-8.362	-5.908	-3,853	-2.130	-0.921	-0.235	-0.149	-0.662	-1.818
10000	-13.614	-10.386	-7.629	-5.227	-3.244	-1.651	909.0-	-0.150	-0.323	-1,183
75000	-16.016	-12.561	-9.375	-6.674	-4.377	-2.517	-1.129	-0.324	-0.181	-0.734
80000	97.	-14.668	-11.240	-8.156	-5.562	-3.430	-1.756	-0.644	-0.180	-0.440
85000.	-20 075	-16.575	-13.088	-9.722	-6.799	-4.373	-2.457	.05	-0.297	-0.276
00006	80	-18.287	-14.790	-11,323	-8.086	-5,374	-3,189	-1.541	-0.511	-0.216
95000	83.3	.83	6.33	2.84	-9.432	-6.414	-3.959	-2.078	479	-0.240
	M	21.23	17.73	4	0	-7.499	-4.775	-2.648	-1.131	m.
	30.1	26.0	23.1	9.67	9.1	-12.678	9.21	6	S	-1.481
150000	-33.956	-30.441	-26.940	-23.440	-19.940	-16.441	-12.945	-9.469	-6.129	-3,328

ATOMIC SPECIES : K 7

7. 000	-80,000 -80,000 -80,000 -80,000 -76,921	-66.356 -61.844 -57.748 -54.013 -50.593 -44.551	-41.871 -39.388 -37.083 -34.943	-25.398 -21.25.307 -21.25.307 -117.1061 -117.1061 -117.1061 -113.884 -113.884 -113.884 -113.884 -113.884 -113.884 -113.884 -11.264 -11.264 -11.264 -11.300 -2.709 -1.330 -0.552	•
0		- 61.450 - 52.934 - 52.835 - 45.683 - 45.683	-37.036 -34.616 -32.395 -30.354		; ;
5 00 6	1 80 0000 1 80 0000 1 80 0000 1 7 7 3 3 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 32 541 - 30 254 - 28 192 - 26 192	11111111111111111111111111111111111111) 1
4	-80.000 -80.000 -75.433 -62.106			-17.434 -12.6357 -10.692 -10.692 -10.692 -10.692 -10.693 -10.693 -10.693 -10.693 -10.700 -10.700 -10.700 -10.700 -10.700) •
000 m	-80.000 -80.000 -70.444 -63.377	151.612 1466.749 138.716 135.330 122.253	-24.491 -22.340 -20.398 -18.646	- 114.24.24.24.24.24.24.24.24.24.24.24.24.24	
000	-80.000 -73.500 -65.457 -52.457	147.017 142.421 138.338 134.657 131.316 125.255	-20.870 -18.911 -17.134 -15.499	-11.300 -7.272 -7.272 -7.272 -1.2.5400 -1.3.885 -1.3.885 -1.3.885 -1.3.885 -1.3.885 -1.3.885 -1.3.885 -1.3.885 -1.3.885 -1.3.885 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647 -1.5.647	21.001.
1 000		13 8 85 U	17.707 -17.707 -16.840 14 120 -12.544	8 7 28 82 82 82 82 82 82 82 82 82 82 82 82	112 01-
0 0 0 0		-38.849 -30.381 -20.396 -23.887 -21.246	-14.715 -12.912 -11.310	66 94 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-18.711
000 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111,928 -10,345 -2,973 -17,745	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-21.213
-2-000	2 t 0 t 2 t 2 t 2 t 3 t 3 t 3 t 3 t 3 t 3 t 3	94 94 94 94 94 94	-11.204 -9.620 -8.212 -6.928 -5.755		_
T DSG ~/LOG DE	12000 130 80 14000 15000 16000	8 9 0 4 9 W 4 8			00000

8

ATOMIC SPECIES

			-80.000 -70.000 -77.217 -70.877 -65.180 -65.071 -55.450 -51.220 -47.317 -43.704 -40.363	-80.000 -80.000 -80.000 -76.782 -70.935 -65.607 -65.383 -55.388 -52.388	-80.000 -80.000 -80.000 -80.000 -76.512 -71.519 -66.552 -62.003 -57.817	-80.000 -80.000 -80.000 -80.000 -80.000 -177.556 -177.556 -177.556		-80.000	-80.000
		1	-80.000 -77.217 -70.877 -65.180 -60.071 -55.450 -51.220 -47.317 -43.317 -40.363 -31.902	-80.000 -76.782 -70.935 -70.935 -65.607 -60.768 -56.383 -56.383 -48.718	-80.000 -76.912 -77.519 -62.000 -62.00	-80.000 -80.000 -80.000 -80.000 -77.556 -72.558 -67.949	1 80000	-80.000	-80.000
			-77.217 -70.877 -65.180 -65.071 -55.450 -51.220 -77.317 -43.317 -43.363 -37.287	-80.000 -76.782 -70.935 -65.607 -60.768 -56.383 -56.383 -56.383	-80.000 -76.912 -71.519 -62.003 -53.982 -50.465	-80.000 -80.000 -80.000 -77.556 -72.558 -67.949	-80.000 -80.000 -80.000	4	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-70.877 -65.180 -55.071 -55.450 -51.220 -47.317 -43.363 -37.287	-76.782 -70.935 -65.607 -60.768 -56.383 -52.388 -48.718	-80.000 -76.912 -71.519 -62.003 -53.982 -50.465	-80.000 -80.000 -77.556 -72.558 -67.949	-80.000 -80.000 -80.000	-80.000	-80,000
1		159,905 156,952 160,409 160,40	-65.180 -50.071 -55.450 -51.220 -47.317 -43.363 -40.363 -37.287	-70.935 -65.607 -60.768 -56.383 -52.388 -48.718	-76.912 -71.519 -66.562 -62.003 -57.817 -53.982 -50.465	-80.000 -77.556 -72.558 -67.949 -63.684	-80.000	-80.000	-80.000
45. 40. 40. 40. 40. 40. 40. 40. 40	, , , , , , , , , , , , , , , , , , , ,	154.952 146.228 142.390 138.894 135.732 135.732 123.356 123.356	-50.071 -55.450 -51.220 -47.317 -43.704 -40.363 -37.287	-65.607 -60.768 -56.383 -52.388 -48.718	-71.519 -66.552 -62.003 -57.817 -53.982 -50.455	-77.556 -72.558 -67.949 -63.684	-80.000	-80.000	-80.000
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, , , , , , , ,	-50.409 -46.228 -42.390 -38.390 -35.732 -32.861 -23.356	-55.450 -51.220 -47.317 -43.704 -40.363 -37.287	-60.768 -56.383 -52.388 -48.718 -45.318	-66.552 -62.003 -57.817 -53.982 -50.465	-72.558 -67.949 -63.684	1 1 1	-80.000	-80.000
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	-46.228 -42.390 -38.390 -35.732 -32.861 -23.356 -15.406	-51.220 -47.317 -43.704 -40.363 -37.287	-56.383 -52.388 -48.718 -45.318	-62.003 -57.817 -53.982 -50.455 -47.225	-67.949	-80.000	-80.000	-80,000
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	-42.390 -38.894 -32.861 -27.772 -23.356 -19.571	-47.317 -43.704 -40.363 -37.287 -31.902	-52.388 -48.718 -45.318	-57.817 -53.982 -50.455 -47.225	-63.684	-74.049	-80.000	-80.000
1	,	-38.894 -35.732 -32.861 -27.772 -23.356 -19.571	-43.704 -40.363 -37.287 -31.902	-48.718	-53.982 -50.455 -47.225	054 03	-69.727	-76.081	-80.000
1227-1-1-1-120-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		-35.732 -32.861 -27.772 -23.356 -19.571	-40.363 -37.287 -31.902	-45.318	-50.455	1001.00	-65.727	-71.969	-80.000
1		-32.861 -27.772 -23.356 -19.571	-37.287		-47.225	-56.063	-62,008	-68,163	-74.734
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-27.772 -23.356 -19.571	-31.902	-42.157		-52.664	-58.541	-64.630	-71.098
116. 116. 117. 118.		-23,356		-36,473	141.418	-46.505	-52.272	-58.259	-64.547
113. 10. 10. 10. 10. 10. 10. 10. 10		-19.571	-27.342	-31.594	-36.339	-41.378	-46.791	-52,658	-58.807
110 100 100 100 100 100 100 100		-16.406	-23,368	-27.430	-31.888	-36.794	-42.000	-47.696	-53,738
8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-13,327		-19.892	-23.810	-28.320	-32.729	-37.790	-43,283	-49.222
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-10.775	-13.706	-16.910	-20.609	-24.655	-29.121	-34.052	-39,358	-45.170
44. 12. 13. 14. 15. 16. 16. 16. 17. 18. 18. 18. 18. 18. 18. 18. 18	-8.638	-11.337	-14.368	-17.788	-21.634	-25.934	-30.701	-35.856	-41.517
600 600 600 600 600 600 600 600 600 600	-6.890	-9.280	-12.150	-15,338	-19.032	-23.118	-27.688	-32,715	-38.216
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-5.409	-7.853	-10.187	-13.212	-16.567	-20.609	-24,981	-29.877	-35,229
1 1 8 3 6 7 5 6 7 5 6 7 5 6 7 5 6 7 5 6 7 5 6 7 5 6 7 6 7	-4.138	-6.107	-8.471	-11.336	-14.578	-18,351	-22,555	-27.300	-32,518
10.475 10.063 10.063 10.967 10.831	350.5-	-4.861	-7.007	-9.663	-12.739	-16.312	-20,373	-24.954	-30.050
- 0.063 - 0.245 - 0.967 - 1.631	-1.342	-2.514	-4.190	-6.311	-8.963	-12.086	-15,763	-19,965	-24.751
- 0.245 - 0.967 - 1.831 - 2.618	-0.328	-1.109	-2.264	-3.942	-6.113	-8.853	-12,116	-15,985	-20.439
-0.967 -1.831 -2.618	690.0-	-0.300	-1.066	-2.267	-4.030	-6.335	-9.245	-12,754	-16,903
1.831	-0.265	-0.081	-0.350	-1.175	-2.498	-4.422	-6.955	-10.123	-13.975
-2.618	-0.886	-0.228	-0.102	-0.483	-1.439	-2.970	-5.136	-7.981	-11.526
1	-1.632	-0.716	-0.165	-0.161	-0.730	-1.892	-3.712	-6.223	-9.470
	-2.321	-1.346	164.0-	-0.118	-0.307	-1.130	-2.600	-4.788	-7.744
-3.853	-2.922	-1.951	-1.000	-0.287	-0 • 138	609.0-	-1.751	-3.626	-6.291
-4.243	-3.413	-2.486	-1.523	-0.634	-0.154	-0.296	-1,125	-2.689	-5.066
-4.471	-3.768	-2,930	-2.001	-1,060	-0.323	-0.160	-0.579	-1.944	-4.040
-4.801	-4.255	-3,776	-3.222	-2.584	-1.819	-0.970	-0.300	-0.260	-1.048
-4.979	-4.464	-3.961	-3.457	-2.944	-2.405	-1.805	-1.107	-0.431	-0.240

LOG OF THE IGNIZATION FRACTION

PTGMIC SKIES: A 10

T DEG K/LOG PE	000	000	000	0000	0000	0000 •	0 0 0	000	0000	0000
C 70	-76.058	-80.000	-80.000	000	-80.000	-80 000	180	-80.000	-80.000	-80.000
	169.628	-75.444	-80.000		-80.000	-80 000	000	-80.300	-80.000	-80.000
	-63.872	-69.444	-75,369	80 000	-80.000	-80 000	000	-80.000	-80.000	-80.000
00000	-58.685	-63.994	-69.781	-75, 772	-80.000	-80 000	80 080	-80.000	-80.000	-80.000
00026	-53.937	-59.071	-64.638	-70 165	-76.637	-80 000	-80 000	-80.000	-80.000	-80.000
00000	-49.548	-54.593	-59.930	-65 '40	-71.754	-78 017	-80 000	-80.000	-80.000	-80,000
29000	-45.480	-50.470	-55.638	-61 :68	-67.224	-73 370	-80 000	-80.000	-80.000	-80.000
0000	-41.724	-46.642	-51.711	-57 37	-63.006	420 69-	-75 313	-80.000	-80.000	-80.000
2000	-35.182	-35.765	-44.704	-49 K34	-55.405	-61 350	-67 538	-74.203	-80.000	-80.000
000	-29.719	-33.916	-38,593	-43 578	-48.830	-54 575	-60 - 14	-67.026	-73.891	-80.000
■00C9E	-24.972	-28,987	-33.297	-38	-43,156	-48.614	-54.519	-60.724	-67.418	-74.454
900	-20.856	-24.698	-28.777	-33 263	-38.181	-43, 391	-49-100	-55.161	-61.651	-68,585
000	-17.405	-20,925	-24.855	29,659	-33.758	-38 805	-44 .271	-50.200	-56.505	-63.311
0000	-14.476	-17.580	-21.379	-25.410	-29.830	-34. 726	-39.976	-45.742	-51.896	-58.552
4 4 00	-11.912	-14.923	-18.313	-22.183	-26.371	-31:065	-36.151	-41.720	-47.746	-54.243
0000	-9.704	-12,520	-15.663	-19,297	-23,322	-27.777	-32.719	-38.091	-43.985	-50,333
000	-7.868	-10.401	-13,369	-16.733	-20.599	-24.840	-29.613	-34.816	-40.561	-46.775
00000	-6.318	-8.577	-11.343	-14.489	-18.144	-22, 2E0	-26.794	-31,853	-37.433	-43.527
100 K	-3.247	-5.114	-7.286	-9.962	-13.083	-16.735	-zo_858	-25.535	-30.735	-36.519
00000	-1.405	-2.669	-4.451	-6.506	-9.284	-12.454	-16,195	-20.457	-25,326	-30.776
65500	-0.372	-1.196	-2.427	-4-103	-6.394	-9,157	-12.462	-16.372	-20.880	-26.027
00402	-0.050	-0.347	-1.163	Z £ 3 Z	-4.257	-6.530	-9.504	-13.037	-17.204	-22.054
0000	-0.006	-0.061	-0.402	-1 276	-2.657	-4:612	-7.144	-10.309	-14.154	-18.697
0000	-0.001	-0.010	-0.093	10 541	-1.537	-3, 136	-6.269	-8.088	-11,599	-15.844
0040	0000-0-	-0.002	-0.020	0 169	-0.789	-1.978	1 08 · m	-6.270	-9.458	-13.412
00400	0000-0-	-0.001	-0.005	040	-0.330	-1:131	-2 651	-4.792	-7.667	-11,331
0000	0000-0-	0000-	-0.001	010 013	-0.116	-0.633	-1 774	-3,603	-6.156	-9.542
00000	-0.000	-0.000	-0.001	10 004	-0.040	-0.235	-1 130	-2.548	-4.912	-8.007
125000	0000-0-	-0.000	-0.000	000 01	-0.001	-0.007	-0 020	-0.339	-1.286	-3.069
150000		5	<	000 01	0000-0-	-0.032	-0 007	-0.036	-0.219	-0.972

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-77.308 -67.619 -80° 000 -80° 000 -80° 000 -80° 000 -27.343 -17.076 -11.390 1 80 000 1 80 000 1 71 774 1 55 254 -33.607 1 54. 478 1 49. 999 1 33. 814 -59,523 -46.822 -52.676 -41. 780 -37.413 -67. ~ -23.249 000 9 -80.000 -80.000 -80.000 -80.000 -80.000 -46.828 -44.907 -30.033 -21.394 -80.000 -80.000 -70.527 -61.171 -53.378 -41.281 -36.536 -32:459 -28.944 -25.898 000 -80.000 -65.532 -59.302 -53.870 -49.105 -80.000 -19.985 -12.348 -80.300 -74.872 -80.000 -80.000 -75.373 -64.328 -55.303 -32,026 -28.272 -25.070 -22,335 -27.086 -41.661 -36.437 -47.871 -60.023 -54.116 -48.996 -40.643 -8.454 -44.542 -80.000 -80.000 -74.296 -17.467 -11.058 -7.425 4.000 -80.000 -69.314 -58.652 -37,129 -24.803 -21,929 4.000 -80 •000 -69.340 -61.704 -50.041 -28.207 -19,505 -44.855 -24.797 -17.182 -42.961 -32.271 -80.000 -80.000 -55.204 -49.647 -40.713 -37.125 -80.000 -80,000 -33.205 0000 -15.632 -34.290 -22.754 -15.177 -64.416 -53,528 -80.000 -68.524 -45,301 -38.657 -25.045 -21,981 -19.459 -17.365 000 m -80.000 -63.741 -6.420 -80.000 -73.068 -45.824 -41.385 -37.573 -51.041 -80.000 -73.964 -15.848 -14.377 -9.009 -29.882 -25.785 -32.035 -20.748 -13.176 -60.093 -80.000 -63.282 -58.665 -48.876 -41.131 -34.893 -22.475 -19,792 -17.608 -5.419 2.000 -80.000 -80.000 -68.304 -47.472 -42.635 -38.534 -35.056 -44,756 -14.745 -13.342 -8.009 -68.776 -27.056 -18.747 1.000 -74.805 -58.417 -54.009 -31.692 -20.480 -18.171 -16.324 -4.419 1.000 -80.000 -73,591 -56.268 -44.476 -64.104 -49.836 -40.015 -36.250 -32,953 -30.000 -63.907 -80.000 -24.787 -13.733 -12.338 -7.008 -52.999 -27.996 000 -69.774 -54.053 -49.863 -41.079 -34.298 -28.926 -17.022 -19.031 -15.283 -3.419 00?0--80.000 -69.436 -60.338 -42.028 -37.866 -34,209 -30.941 -80.000 -12.732 -11.338 -6.008 -39.945 -25.940 -25.996 -14.747 -54.552 -22.972 000 I -65.075 -55.516 -50.085 -37.908 -31,516 -26.656 -20.188 -17.949 -16.005 -46.097 -14.279 -1.000 -65.654 -50.183 -57.107 -44.621 -32,205 -55.506 -73.731 -46.552 -47.885 -26.940 -23.996 -12.747 -2.000 -21.674 -10,338 -60.871 -35.040 -29.252 -24.871 -19.134 -16,939 -15.003 -13.278 -11:732 -5.008 -2.000 -72.575 -62.390 -54.282 -33.846 -37,936 -30.204 Ξ 12 Y w w a TOMIC SPECIES : DEG W/LOO ATOMIC SPECIES DES K/LOG 42000. 44000. 46000. 50000 65000 75000. 800008 85000. 95000. 55000 60000 70000 75000 80000 85000 95000 100000 40000 48000. 55000 600009 .00006 .00000 70000 25000 <u>!</u>—

LOG OF THE IGNIZATION FRACTION

ATOMIC SPECIES : K 13

6.000

2.000

**** -1.234 -1.758 -2.143 -2.869 -3.343 -3.825 -4.307 -4.725 -5.441 -5.749 -6.034 -6.292 -6.530 -6.751 -7.522 -7.684 -7.841 -7.999 -11.518 -12.173 -12.868 -13.579 -7.173 -7.353 -8.165 -8.560 -16.071 -21.732 4.000 -6.956 -9.075 699.6--10.280 -10.879 -27,369 -14.288 -19.812 -7.823 -8.060 -8.279 -12.132 -12.926 -13.725 -0.438 -4.178 -5,355 -7.288 -8.502 -9.457 -9.711 -10.013 -10.717 -11.476 -15.442 -18.035 -20,303 -2,610 -3.017 -3,558 -4.817 -9.245 -14.579 -33,898 -6.247 -6.641 -6.982 -8.877 -9.037 -17.161 -22,568 -24.875 -27.153 -29.413 -31.668 -36.121 -38,335 -40.500 -50.899 -1.222 -2.306 -2.957 -3.443 -4.959 -5.704 -6.340 -6.879 -7.349 -7.769 -8.156 -9.075 -9.344 -9.580 -10.009 -10.216 -10.439 -11.058 -11.894 -12.339 -13.200 -8.492 -14.990 -16.009 -17.042 -18.050 -19.072 -20.123 -9.800 -25.003 -21,209 -22,297 -27.759 -30.442 -33.137 -35.804 -41.084 -43.655 -46.205 -38.447 -48.724 - 1.323 -11.577 -11.896 -12.323 -112 819 -13:343 -13:864 -14:364 114.853 118.880 117.042 -33.379 -36.539 -39.664 -42.769 +**** -2.169 -4.535 16 492 17 220 17 800 18 385 18 858 19 284 -9.992 -10.840 -11.089 -18.268 -20 64p -21 375 -23 167 -24 447 -25 705 -26.979 -3.749 -9.657 -10.584 -30,228 -45,326 -48,315 -51,795 -57.566 -14.664 -15.266 -15.841 -0.015 -1.441 -3.107 -7.997 -8.723 -9.355 -11.167 -11.505 -11.813 -12.095 -12.362 -12.638 -12.984 -13.462 -14.047 -16.406 -16.989 -17.621 -0.000 -24.701 -39.522 -21.816 -3.942 -6.046 -7.122 -19.029 -23.212 -29.136 -30.650 -32.176 -46.754 -50.265 -53.725 -10.791 -20.451 -27.667 -35,843 -57.148 -60.493 -66.910 -0.132 -11.397 -11.870 -12.290 -12.666 -13.004 -13.315 -19.212 -20.024 -20.862 -22.485 -10.231 -10.857 -15.086 -13.612 -46.112 -17.802 -25.698 -6.207 -7.568 -17.158 -18.471 -24.045 -27.442 -29.147 -30.821 -65.992 -4.737 -14.434 -16.497 -32°552 -34,320 -36.043 -37.713 -41.938 -58.257 -62,163 -69.729 -76.389 -8.631 -54.291 -11.000 -11.733 -12.356 -12.8996 -13.370 -13.790 -14.507 -14.861 -15.207 -15.201 -16.711 -16.711 -22.496 -23.437 -24.342 -31.962 -33.889 -35.906 -53.213 000 • N -20.601 -21,533 -28.047 -19.021 -19.767 -26.118 -30.043 -37.906 -39.825 -41.720 -43.659 -48.462 -62.309 -71.103 -80.000 -80.000 S 뀙 T DEG VLOG ATOMIC SPECIE 10000 110000 12000 13000 14000 15000 17000 19000 20000 21000 25000 25000 26000 27000 28000 30000 3000 4000 5000 7000 8000 22000 3 80 00 4 4 4 4 00 00 6 4 4 4 4 4 4 6 00 00 7 8 8 0 0 0 0 00 8 9 0 0 0 0 00 000000 ■0006 32000■ 34000 36000 €2000 70000 75000 80000 85000 00006 55000 00009

1 817

-1.214

-2.086 -2.326 -2.573

-3.102 -3.454 -3.787 -4.099 -4.550 -4.797 -5.027

-0.779 -0.947 -1.072

-1.264 -1.459 -1.654

-1.845

-1.861

-2.609 -2.759

-3.802

-5.441 -5.628

-5.241

-4.159

-5.805 -5,972 -6.282

-2,901 -3.041

-2,297 -2,455

-2,137

-3.185 -3.402 -3.608

-3.057

-3,550

-4.766 -5.030 -5.276 -5.515

-6.427 -6.711 -6.896

-3,986

-3,175 -3,304

-4.323 -4.478 -4.626

-6.131

-4.189 -4.386

-5.764 -6.044

-7.252

-8.159 -8.670

-4.586 -4.797

-6.368

-5.000 -5.400

-6.734 -7.123 -7.524

-9.173 -9.682 -10.210

-7.051

-8,797

-10.115 -11.170 -12.358 -13.576

-15.207 -16.750 -18.297

-13.591

-19.858

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-40.662

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ATOMIC JUECIST

7.000

*** *** 000 -2.079 -2.324 -2.600 -3.196 -5.967 9 *** 10°0% 14** 10°0% -1.706 -1.759 -1.806 -0.020 -0.414 -0.621 -0.825 -1.004 -1.160 -1.291 -1.491 -1.564 -1.532 -1.928 -2,163 -3.725 -4.550 -5.002 -6.241 -10.216 -11.632 -13.057 -14.485 -25.898 000°a -0.105 -0.232 -1,889 -2.048 -2.644 -2.983 -3,347 -7.505 -8.837 -18.770 -0.026 -0.010 -0.019 -1.163 -1.408 -1.604 -1.757 -1.884 -1.973 -2.117 -2.173 -2.222 -2.279 -2.320 -2.359 -0.254 -3.532 -14.059 -15.826 -17.574 -19.333 000 e ** -0.080 -2.548 -0.865 -2.439 -2,486 -2.763 -3.102 -4.468 602.9--10.585 -2.051 -4.971 -12.297 -21.108 -24.620 3.000 -2.565 -5 **0**40 -5 **6**29 **293** 122.1743 124.1863 -20:097 0.32 -2-410 -25.**8**985 778 -2.978 -3.049 -3.103 -13,331 I 5,818 -18,394 -20,917 -23,458 -28,523 -0.027 -49.625 -38.409 -0.136 -2.225 -2.703 -3.003 -3.183 -3.295 -3.382 -0.004 -0.113 -0.727 -1.550 -3.660 -3.707 -3.764 -3.854 -4.298 -4.661 -5.060 -9.124 -10.172 -11.217 -12.325 -13.496 -14.671 -5.853 -6.239 -7.066 -8.055 -17.005 -28.985 -3.510 -34.894 -3,613 -3.451 -3,564 -23.009 -26.010 -4.021 -40.651 -56.468 -0.035 -0.596 -1.640 -3.749 -3.833 -3.902 -3.962 -4.172 -4.253 -4.419 -4.731 -5.635 -6.102 -6.551 -6.997 -7.468 -7.995 -11.660 -12.909 -14.264 -3.104 -4.068 -4.118 -9.208 -10.455 -15.641 -16.991 -18.352 -19.766 -38.448 -41.787 -45.101 000 -0.001 -3,637 -4.017 -21.198 -31,603 -5.161 -24 •6 52 -28.147 -35.069 -48,345 -54.581 -0.580 -0.263 -1.482 -2.614 -3.859 -4.275 -4.346 -4.468 -4.572 -4.637 -4.762 -5.050 -5.522 -6.069 -6.612 -7.129 -7.639 -6.803 -9.504 -11.665 -16.140 -20.876 -24.159 -41.606 -45.440 -52.945 000 -3.412 -4.190 -4.519 -8.181 -10.236 -14.542 -75.111 -19.261 -25.748 -33,737 -37.734 -£3.060 -56,581 -0.108 -0.025 -0.959 -2.464 -3.564 -4.783 -4.849 -4.910 -4.967 -2 000 -17.888 -19.660 -21.453 -25.230 -48.624 -52.930 -57.166 -51.275 -4.483 -4.618 -23,346 -28.836 -30.682 -35.272 -39.838 -44.263 -65.044 w T DSG K/LOG

-0.063 -0.056 -0.060

-0.076 -0.103 -0.141

-0.117 -0.083 -0.181 -0.233 -0.290 -0.349

-0.525

-0.467

-0.683 -0.821

-0.632

-0.981 -1.058 -1.137

-1,226

-1.334 -1.369 -1.532 -1.724

-2,288

614 -2,917 -4.372

-5.162 -5.976 -6.813

ATOMIC SPECIES : Ch 3

T pEG KALOG PE	-2.000	1 0 3 3	0000	1 • 000	2.000	9.00p	4 • 000	5.000	000.9	7.000
000	818	-11.310	12.186	*****	****	****	****	****	****	****
0 0					0	***	****	****	*****	****
	140-11	040.01	1 1	4.047	18.057	6.413	****	****	****	*****
		1 0	1	•	1	780.0	****	****	****	****
		10.01		• 1		1010	13.5	***	***	****
8000		-0.001	0.010	•	-0.517	-1 - 375	-2,354	-3,365	**	***
= 0006	000	0000-0-	-0.001	-0.012	-0.108	- 577	-1.452	-2.437	***	***
10000	207	0000-0-	0000-0-	-0.003	-0.023	181	-0.781	-1.702	-2.701	* * * * * * *
11000	000-0-	0000-0-	0000-0-	-0.001	-0.006	0.054	-0.355	-1.121	-2.088	***
12000	0000-	00000-	0000-0-	000.0-	-0.003	010	-0-147	-0.683	-1.584	-2,572
1 30 00	0000-0-	-0.000	000.0-	-0.000	-0.001	900 0	-0.064	-0.387	-1.163	-2.141
14000	0000-0-	0000-	000.0-	000.0-	-0.001	000	-0.031	-0.212	-0.832	-1.759
15000	0000-0-	000.0-	000.0-	-0.000	-0.001	003	-0.017	-0.119	-0.578	-1.435
16000	000.0	000*0-	000.0-	-0.000	-0.001	005	-0.011	-0.071	-0,395	-1,162
17000	-0.004	000.0-	000.0-	000.0-	-0.000	000	-0.008	-0.045	-0.270	-0.934
18000	-0.031	-0.003	0000-0-	-0.00	-0.000	000	-0.000	-0.031	-0.188	-0.746
19000	-0.170	-0.020	-0.002	-0.000	-0.000	000	-0.005	-0.023	-0.135	-0.593
20000	-0.558	-0.101	-0.011	-0.001	000.0-	00	+00.0-	-0.018	-0.100	-0.488
21000	-1, 121	-0.346	-0.050	-0.005	-0.001	000	-0.003	-0.014	-0.076	-0.393
22000	-1.706	922-0-	-0.175	-0.021	-0.005	000	-0.003	-0.012	-0.059	-0.319
23000	-2.265	-1.280	-0.448	-0.072	-0.008	000	-0.003	-0.010	-0.048	-0.262
24000	-2.802	-1.781	-0.839	-0.202	-0.025	E00.0	-0.003	600.0-	-0.040	-0.218
25000	-3,361	-2.260	-1.271	-0.445	-0.071	-0.008	-0.003	-0.008	-0.034	-0.183
26000	600.4-	-2.729	-1.698	-0.768	-0.172	-0.021	-0.004	-0.007	-0.030	-0.155
27000	-4.745	-3.226	-2.111	-1.130	-0.352	-0.052	-0.007	-0.007	-0.026	-0.134
28000	-5.488	-3.791	-2.517	-1.493	-0.602	0.115	410.0-	-0.007	-0.023	-0.116
29000	-6.172	-4.413	-2.940	-1.846	-0.893	-0.226	-0.030	800.0-	-0.021	-0.101
30000	-6.783		-3.406	-2.192	-1.195	-0.393	-0.061	-0.011	-0.019	060.0-
32000	-7.900	-6.142	40 4·4-	-2.912	-1.786	0.840	-0.204	-0.029	-0.018	-0.071
34000■	-9.160	-7.108	-5.387	-3.731	-2.364	-1.328	-0.485	-0.085	-0.022	-0.059
36000	-10.528	-6.162	-6.223	-4.545	-2.988	-1.799	-0.853	-0.213	-0.038	-0.051
38000 ₽	-11.870	-9.341	-7.085	-5.277	-3.652	-2.267	-1.233	-0.428	-0.077	-0.047
40000	-13.269	-10.523	-8.064	-5.982	-4.288	-2.765	-1.598	669.0-	-0.158	-0.051
42000	-14.803	-11:715	060.6-	-6.756	-4.884	-3,285	-1.960	-0.983	-0.288	-0.067
44000.	-16.358	-13.003	-10.114	-7.610	-5.487	-3.793	-2.335	-1.257	-0.461	-0.100
46000.	-17.866	-14.360	-11.174	-8.487	-6.147	14.285	-2.730	-1.528	-0.656	-0.161
48000	-19:381	-15.703	-12.309	-9.370	-6.865	-4.786	-3,131	-1.799	-0.853	-0.243
50000	-20.967	-17.020	-13.482	-10.287	-7.606	-5.325	-3.537	N C	440.1	0.345
55000	-24.984	-50.460	-16.364	-12.757	-9.526	-6.830	480.4	-2.850	-I.533	-0.047
00009	-29.064	-23.964	-19,373	-15.235	-11.618	-8.434	-5.803	-3.696	-2.096	-0.976
€2000	-33.072	-27.542	-22.412	-17,818	-13.724	-10.166	-7.103	₹ .	-2.723	-1.350
20000■	-37.069	-31.050	-25.513	-20.429	-15.901	-11.931	-8.500	-5.655	-3.427	-1.790
75000 ₪	-41.054	-34.563	-28.572	-23.084	-18,120	-13.733	-9.947	-6.748	-4.192	-2.281
800008	-45.005	-38.065	-31.626	-25.732	-20.361	-15.536	-11.419	-7.890	-5.009	-2,816
85000	-48.858	-41,528	-34.683	-28,359	-22,625	-17.453		•	-5.869	-3,398
200006	-52,396	-44.933	-37.697	-31.002	4	-19,348		25	• 76	-4.019
100056	-55.600	-46.109	-40.684	-33.610	-27.117	2.		4 .	.70	-4.690
1000001	-58.509	-51.011	-43.532	-36.196	-29,359	23	-17.574	2	8.65	-5.366
125000,		-62,303	-54.803	7.30	-39.816	-3z 408	25	6	-13.607	-9.002
1500004	-77.617	-70.117	-62.617	-55.118	-47.619	-40 124	-32.649	-25.370	-18.701	-12.919

I DEG KZLAG PE	-2.000	-1.000	0000-0-	1_000	2.000	3.000	4 • 000	000	000*9	7.000
4000	-57.484	-59.485	-61.498	-63,615	-66.121	***	***	***	***	***
2000	-41:136	-43.113	145	-47.111	-49.129	-51.277	***	**	***	***
0009	-31.110	-32.403	-34.174	ø	_B8_136	7	**	***	***	***
2000	-24.739	-25.752	12	8 37	30 ¤⊤6	-32,259	-34.258	**	****	***
8000	-19.975	-20.976	-21.9	m	-24.491	-26.346	-28.318	-30,306	***	***
■0006	-16.256	-17.256	-18.2	o =	-20.362	-21.829	-23.699	-25.670	***	* * * * * * * * *
100001	-13,268	-14.268	-15.268	6 27	-17.290	-18.446	-20.041	-21.950	-23.916	***
1 1000	-10.814		•		-14.819	-15.865	-17.162	-18.918	-20.860	**
12000	-8.760	9.76	0		-12.761	-13.777	4	-16.428	-18.307	-20.241
1 30 00	-7.015	-8.015	-9.015	•	-11,015	å	•	-14.389	Q.	-18.080
14000	-5.513	-6.513	-7.513	å	-9.513	-10.516	-11.540	-12.714	-14.316	-16.205
1 50 00	-4.207	-5.206	-6.206	-7.206	-8.207	-9.208	-10.520	-11.316	-12,759	-14.581
16000	-3.059	-4.059	-5.059	တ	6542-	-8.059	-9.066	-10.120	43	-13,165
17000	-2.046	-3.042	-4.042	S :	-6.042	-7.042	οo ι	620.6-	29	
18000	-1.165	7E1.2-	-3.135	14.134	15.134	10.1	-7.137	184158	505.40 0 4	- 10,833
00067	784.01	11.340	120.21	\$ 10 · 0 ·	7.00	10.0	126.0-	000	10.40	600.6
= 0000 z	141.0-	400.0	470.11	10°00	0000	14.000	10000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10001	100.00
100000	0.00	007-01	1000	405 1-	416.47-	1 0 m	408.40	336.51	0 4 4 9 -	017.60
	010		000		-1.751	-2-744	747-5-	4-740	-6.779	
24000	01000	10.074	361.01	0.4	450.1-	150.0-	-3.230	EE C - 4 -	. C	Ġ
25000	10.100	, ,	10.025	105	-0-824	-1.761	١ (-3,757	-4-776	ď
00096	122.01	0.00	0.01			1000	00.00	13 316	CER - VI	ú
0002	417-0-	0000	10.01			10.00	1.000	800	010.4	ď
28000	14141	098.40	120.0			-0.636	-1.533	-2.52	-3.536	4
006	-1.586		-0.138	0.022	-0.061	-0.392	-1.194	2.170	m	4.24
30000	-2.021	-1.041	008.0-	-0.044	-0.033	-0.226	-0.892	600-1-	-2.842	-3.900
32000	-2.932	-1.803	-0.847	-0.205	-0-033	-0.070	-0.428	0 M O N	-2.234	-3.275
34000 ■	-4.066	-2.584	-1.497		-0-115	-0.034	-0-174	I⊢ a Ih O	-1.698	-2.725
36000₽	-5.293	-3.516	-2.159	-1.130	-0.350	-0.058	-0.071	1- 1- 4 - 0 - 1	-1+233	-2,235
38000	-6.412	-4.560	-2.899	-1.686	-0.739	-0.153	-0.045	-0.206	-0.841	-1.800
400004	-7.491	-5.540	-3.751	-2.268	-1.190	-0.386	690.0-	-0-104	-0.536	-1.414
42000.	-8.650	-6.455	-4.603	-2.923	-1.656	-0.738	-0.154	-0.065	-0.323	-1.079
4 4000.	-9.822	-7.415	-5.392	-3.630	-2.146	-1.073	-0.319	690.0-	-0.192	-0.796
46000	-10.963		-6.172	-4.317	0 m c	-1.450	-0.555	o	-0-121	-0.574
48000	-12-130	044.0	-7.008	100.4	13.24	11.840	558.0-	202	160.0-	-0.40Z
0000	565.51-	110.400	088./-	7.056	708.5	744700	471.1-	N C C C	10.00	70.282
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00000	123.003	-19.123	766.41	050011	0 0	127.01	610.61	72005	10 × 0	10.40
		V.	-17.641	000.51	070.01	0 1 1	550°#1	12.091	17001	0.4.0
10000	-30.785	V	-20.303	-15 x15	V40.11-	18.438	10.00	V 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	682.	57.0
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150000.	-64.338	-57.838	-51 •338	144 • 838	555.851	131.844	-25.376	-	13.424	-8.023

T DEG K/LOG PS	-2.000	0 0 1	000	000	2.000	0 0 0 m	4	000 S	6.000	7.000
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80 00	ຮູ	55.55	54.5	156 644	29,06	-61.922	64	67.85		* * * * * * * * * * * * * * * * * * * *
00.06	-41.998	On .	Ġ.	148 009	-50.103	-52,569	-55.434	-58° 393	***	***
1000 1000	-35.127	-37.127	36.1	129	-43.148	-45.303	-47.894	-50 7B4	3.73	* * * * * * * * * * * * * * * * * * * *
11000		-31.484	-33.484	135 484	-37.489	-39.534	-41.827	2	7.49	**
1 20 00	24.7	-26.764	-28.764	130 764	-32,765	-34.780	-36.905	-39.422	2.28	-45.158
130 00	-20.756	-22.756	-24.756	-26 756	-28.756	-30.761	-32,811	-35,121	7.86	-40.755
14000	-17,308	-19,307	-21,307	-23 307	-25,307	-27,309	-29.331	-31.500	-34.088	-36.941
150 00	-14.308	-16.308	-18,308	-20 308	-22,308	-24.308	-26.318	-28.410	-30.840	-33.631
160.00	-11,674	-13.674	-15.674	-17 674	-19.673	-21.673	-23.679	-25.728	-28.028	-30.734
170.00	-9.345	-11.341	3	15 341	-17.341	-19.341	-21,343	-23 372	-25.574	-28.182
180 00	-7.291	-9.263	-11.260	-13 260	-15.260	-17.259	-19.261	-21.278	-23.414	92
19000	-5.562	-7.412	-9.393	-11 391	-13,391	-15,391	-17.391	-19.402	-21.495	-23,906
200 00	-4.262	-5.804	-7.715	-9 705	-11.703	-13,703	-15.703	-17 710	-19,775	-22,119
210 00	-3,292	-4.517	-6.221	-8 176	-10.171	-12,171	-14.171	-16.175	-18.220	-20.497
220 00	-2.480	-3.550	-4.948	-6 794	-8,775	-10,773	-12.772	-14.776	-16.808	-19.030
2300	5	-2,773	-3.940	5 564	-7.500	-9.492	-11.492	-13 494	-15.517	-17.696
240 00	-1.120	-2.096	-3.153	-4 515	-6.339	-8.316	-10.313	-12 314	-14.333	-16.477
250 00		-1.490	-2.498	-3 668	-5.297	-7.233	-9.226	-11.226	-13,240	-15,358
260 00	-0.257	-0.957	-1.920	-2 988	-4.391	-6.239	-8.220	-10,219	-12,230	-14.326
27000	+60°0-	-0.531	-1.400	12 414	-3.635	-5.333	-7.287	-9.283	-11.291	-13.371
280.00	-0.034	-0.249	-0.943	11 908	-3.014	-4.524	-6.423	-8.411	-10.417	-12.484
290.00		-0.104	-0.568	-1 452	-2.491	-3.822	-5.624	-7.598	-9.601	-11.657
30000	-0.024	-0.043	-0.302	-1 046	-2.034	-3.227	-4.892	-6.838	-8.837	-10.884
320,00	.16	-0.026	690.0-	-0 426	-1.253	-2.291	-3.648	-5.468	-7.448	ć
34000	-0.625	-0.122	-0.028	-0 127	-0.642	-1.551	-2.701	-4.293	-6.221	-8.238
36000	30	-0.460	-0.078	0.042	-0.259	-0.955	-1.978	-3 322	-5.136	-7.130
38000	903	-1.016	-0.285	0 0	-0.092	-0.513	-1,394	-2 554	-4.187	-6.138
40000	-2,873	-1.637	-0.692	-0 145	-0.046	-0.233	-0.914	-1 947	-3.377	ໝໍ້
420.00	-3.880	-2,316	-1,203	988	-0.068	-0.101	-0.542	11.450	-2.705	-4.454
44000	616**	-3.121	-1.754	-0.765	-0.172	-0.059	-0.290	-1.036	-2.155	-3,753
46000	-5.888	-4.007	-2.370	-1.205	-0.386	-0.074	-0.149	-0.698	-1.700	-3.146
48000	-6.823	-4.867	-3.077	-1.679	-0.695	-0.150	-0.086	-0.441	-1.317	-2.621
50000	-7.799	-5.672	-3.817	-2 203	-1.056	-0.302	-0.075	-0.267	-0.994	-2.174
55000	-10.316	-7.748	-5.537	-3.691	-2.091	-0.952	-0.253	660.0-	-0.427	-1.322
60000	3.06	-9,955	-7.332	-5.106	-3.290	-1.773	-0.725	-0 172	-0.176	-0.744
6500	-15,925	-12.392	-9.251	-6.628	•	-2.708	-1,335	-0 e 552	-0.133	-0.390
70000	-18.922	-14.902	-11.361	-8.266	-5.707	-3.650	-2.028	-0 B65	-0.235	-0.218
75000	-22.029	-17.539	4	-10.053	-7.075	-4.649	-2.767	-1 344	-0.455	-0.172
80008	-25.204	-20.264	-15.824	-11.928	-8.551	-5.756	-3.539	-1.879	-0.747	-0.217
85000	S	-23,033	-18.188	-13.863	-10.125	-6.944	-4.392	-2.457	-1.085	3
00006	~	-25.815	-20.578	-15.83	-11.746	-8.221	-5.322	-3.080	17	8
9500	-	445	-23.002	-17,927	-13.432	.55	-6.317	-3.767	.90	-0-711
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125000	45.5	0.0	34	Ô	m.	18.19	-13,191	-8,889	38	2.7
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ATOMIC SWECIES : CP 7

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0	-61.769	276	-69.768	-73.768	-77.768	8	-80.000	-80.000	-80.000	-80.000
	-54.029	-58.029	-62.029	-66.029	-70.028	-74.028	-78.035	-80.000	-80.000	-80.000
16000	-47.239	-51.239	-55.239	-59.239	-63.238	-67.237	-71.240	-75.282	-80.000	-80.000
17000	141.2 S	m	-49.231	-53.230	-57,230	-61229	-65.229	-69.251	-73,435	-77.996
0000		-35.879	-43.876	-47.875	-51.875	-55,874	-59.873	-63,884	-68.004	-72.467
19000	-31.24z	-35.092	-39.073	-43.071	-47.071	-51.070	-55.068	-59.074	-63,151	-67,524
20000	-27.294	-30,837	-34.747	-38,736	-42.735	-46.734	-50.732	-54.734	-58,785	-63.093
21000	-23.923	-27.149	-30,852	-34.807	-38.802	-42.801	-46.799	-50,799	-54.831	-59•0⊤5
22000	-20.924	-23.993	-27,392	-31,238	-35.218	-39,216	-43.214	-47,213	-51,233	-55.424
23000	-18.201	-21.215	-24.382	-28.006	-31.942	-35,934	-39,932	-43.930	-47.943	-52.092
0000	-15.724	-16.699	-21.757	-25.119	-28,942	-32,919	-36.915	-40.912	-44.920	-49.037
25000	-13.507	-4	-19.407	-22,576	-26,205	-30.141	-34 • 133	-38.129	-42.134	-46,226
260 00	-11.597	-14.298	-17.260	-20.328	-23,731	-27.579	-31,558	-35,554	-39.556	-43.628
27000	626.6-	-12.416	-15.286	-18,300	-21.520	-25.218	-29.171	-33,163	-37,163	-41 221
280 00	-8, 565	-10.780	-13.474	-16.440	-19.545	-23.055	-26,952	-30.938	-34.936	-38,982
29000	-7-285	-9.372	-11.836	-14.720	-17.759	-21.090	-24.890	-28,862	-32,858	-36.894
30000	-6.111	-8.130	-10.389	-13.132	-16.121	-19,313	-22.977	-26.921	-30.913	-34,941
320 00	860° b-	-5.964	-8.007	-10.364	-13,191	-16.228	-19,585	-23,403	-27,377	-31.392
00 04B	-2,659	-4.157	-6.062	-8.162	-10.677	-13,595	-16.734	-20.324	-24.247	-28,249
36000	-1.642	-2.796	-4.413	-6.377	-8.594	-11.300	-14.312	-17,655	-21.463	-25.444
380 00	-0.845	-1.825	-3.094	-4.856	006.9-	-9.322	-12,202	-15,361	-18.988	-22,927
400 00	-0.311	-1.069	-2.122	-3.574	-5.475	-7.662	-10.342	-13,374	-16.800	-20,660
42000	10.08	-0.502	-1.382	-2,565	-4.244	-6.277	-8.716	-11.624	-14.875	-18.614
44000	-0.03(A	-0.181	-0.794	-1.799	-3,204	-5.090	-7,321	-10.065	-13.181	-16.769
46000	890-0-	-0.062	-0.377	-1 - 195	-2,371	-4.057	-6.131	-8.678	-11.677	-15,115
48000	-0.221	-0.044	-0.151	-0.715	-1.719	-3.159	-5.103	-7.457	-10.330	-13 025
50000	-0.548	-0.102	-0.064	-0.371	-1.196	-2.432	-4.202	-6.391	-9.115	- :2. 28E
55000	-1.791	-0.767	-0.172	-0.065	-0.336	-1.146	-2.429	-4.268	-6.592	9.48 °
00009	-3.520	-1.924	-0.834	-0.197	-0.080	-0.398	-1,282	-2,705	-4.698	-7 258
65000	-5.474	-3.476	-1.856	-0.765	-0.172	-0.115	-0.566	-1.609	-3.261	-5,505
20007	-7,568	-5.175	-3.186	-1.618	-0.596	-0.128	-0.205	-0.877	-2,175	-4-130
00 051	-9.684	-6.979	-4.638	-2.711	-1.267	-0.387	-0.113	-0.417	-1.389	-3.045
80000	-11.836	-8.804	-6.159	-3.924	-2.118	-0.865	-0.211	-0.193	-0.834	-2,194
85000	-14.028	-10.663	-7.720	-5.182	-3.099	-1.489	-0.488	-0.143	-0.468	-1.540
00006	-16.058	-12.580	-9.301	-6.493	-4.121	-2.234	-0.903	-0.230	-0.262	050
00490	-17.894	-14.396	-10.952	-7.822	-5.188	-3.043	-1.418	0.440	-0.183	-0 692
100001	-19.558	-16.057	-12,568	-9.205	-6.289	-3.882	-2.012	-0.748	-0.205	-0 446
125000	-25.904	-22.494	-18.994	-15,493	-11.999	-8.575	-5.521	-3.101	-1.363	404 •0 -
150000	-30.4Z3	-26.923	-23.423	-19.923	-16,423	-12,925	-9.448	-6.146	-3.418	-1.462

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-77.709 -67.528

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-31.878 -26, 333 -21,808 -15.010-10.273

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-6.917

-4.130 -3.111 -2.283

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-17.253

-11.060 -8.785

-51.868 -47.668

-56.524

-50.556 -41,819

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	-71.328	-75.298	-80.000	-80.000	-80.000	180 000	-80.000	-80,000	-80.000	000000000000000000000000000000000000000
	-49.359	-51.919	-54.979	-58.585	-62.714	167 438	-72.775	-80.000	-80.000	000 081
	-44.488	-46.658	-49.313	-52.489	-56.254	-60 582	-65.559	-71-206	-77.526	000 081
	-40.237	-42.274	-44.538	-47,343	-50.707	-54 687	-59.304	-64 612	-70,636	-77 4 3
95000	-36.441	138.449	-40.525	-42.950	-45.956	49 534	-53.853	-58 834	-64.561	000 LY 1
125000	-19.968	-21.968	-23.968	-25,969	-27.980	30 071	-32,564	-35.765	-39.776	444
150000	-11:192	-1,3.152	-15.192	-17.193	-19,193	-21 197	-23,228	-25,450	-28,289	132 0°3
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	-66.482	-69.520	-72.783	-76.588	-80.000	-80 200	-80.000	0.00 081	-80 000	-80 000
	-60.492	-63.500	-66.576	-70.001	-74.007	-80 000	-80 .000	0.00 081	180 000 1	-80 000
	-55.094	-56.097	-61-117	-64.281	-67.943	-72 217	-77.165	000 081	-80 00 O	-80 000
125000.	-34.494	-37.494	-40.494	-43.495	-46.506	765 64-	-53.091	-57 ZB2	−62 302	-68 217
150000i	-20.651	-23,651	-26.651	-29.651	-32.652	-35 656	-38.687	141 000	T45 747	-50 461
A CONTROL OFFICE	b • • •									
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125000.	-53,111	-57.111	-61,111	-65,112	-69-123	-73.214	-77.708	-80.000	-80.000	-80.000
150000.	-33.560	-37.560	-41.560	-45.561	-49.561	-53.555	-57.596	-61.818	-66.656	-72,369
ATOMIC SPECIES : CP	Cp 16									
DEG KYLOG PE	000 8	000	0 0 0 •	000	000	000 E	000	0 0 0 a	0000	000
125000.	-75,092 -49,319	-80.000	-80.000	-80.000	000° 08-	-80.000 174.824	-80.000	-80 -000 -80	-80 000 -80 000	000 000 000 000 000 000

ATOMIC SPECIES : RE 1

ATOMIC SPECIES | FE 2

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4.000	* * * * * * * * * * * * * * * * * * * *	****	* * * * * * * * * * * * * * * * * * * *	***	****	***	*	•	, N	900	12.813	2.05		-1.508	-1.291	-1.105	10.945	-0.80A	-0.591	-0.504	-0.430	-0.366	-0.312	-0.266	-0.199	-0.164	-0.158	-0.177	-0.218	10.274	-0.419	-0.509	-0.612	6 a 6	-1.357	•	•	-2.846	-3.410	0	-4.559	-5.148	12.71	-11.813	010 *11
0 0 0 0	* * *	* * * * * * * * * * * * * * * * * * * *	***	***	***	-5.104	4	-3,351	-2,713	-2.182	-1.467	-1.061	-0.812	-0.617	-0.468	-0.356	-0.271	017.0-	-0-134	611.0	-0.101	0	-0.106	-0.123	-0.190	-0.283	-0.390	005.0-	0.61	-0.741	1.07	-1.277	-1.500	-2.115	-2.766	3.47	-4.255	5.01		10	~	-8.031	9 0	12.781	200.11
000 S	* * * * * * * * * * * * * * * * * * * *	* * * *	*-*** ***	-6.3 2	-4.B24	-3,819	ď	1.00 × 2.35	۳,	~ (20 1	,	10 212		660 01	•	090	0 0 0			-0.175	-0 250	-0.336	-0.426	-0.502	-0.762	-0.928	-1.107	-1.328	-1.596	-2.236	-2.563	-2.890	-3.755	.73	-5.724	• 66	-7.607	8.56	9.55	ທໍ	٠,	NI	16/0/1-	-23.000
0000	***	***	******	-5=035	-3=730	-2=718	Z68 = I	-1-223	-0-713	-0 375	0-1-0-	0.50	-0 038	-0 029	-0 028	-0 038	-0 063			0 0	0 641	-0 774	-0 898	-1 005	-1 204	-1 437	-1=73D	-2,105	-2=520	-2=942 -4-448	0152	-4=192	-4=668	-5=918	-7=134	27	-9=463	9=0	92		'n	9	9 1	יו מי	-29 733
3.000	* *	•	-8.013	(J)	-2.719	-1.721	-0.940	-0.415	-0.158	-0.063	-0.029	E 10 0 1	-0.016	-0.035	-0.087	-0.195	-0.357	-0.579	960) U	٠,-	-1.426	-1.548	-1.683	-2.039	-2.508	-3.027	-3.536	-4.031	14.537	5.69	6,31	9	-8.396	-9.782	-11.264	-12.772	4.24	-	29	87	20.47	20	-29.543	-37 • 445
2.000	# 0	-10.279	-6.693	ď	-	-0.790	-0.251	-0.068	0	0	900.0) C	, 0	-0.230	-0.477	-0.778	-1.070	-1.320	-1.521	100011	460-1-1	* (V)	-2.413	-Q	.32	-3.945	-4.537	-5.135	.80	-6.543	8.053	- 30	-9.431	-11.086	-12,893	-14.688	-16.446	8.28	0.16	N	4.00	25 • 8	27.5	٥	-45.909
0 0 a	* ** * * * -14=726	-8=696	-5=640 3=546	-1=966	-0=794	-0 183	-0.034	-0-008		000	000	100		-0 875	-1 261	-1 587	-1 840	12 035	9 N 01 N	7 N N N N N N N N N N N N N N N N N N N	200 21	13 340	13 726	103	-4 818	-5.505	-6 260	_0_134	-8-053	-8 941	925	-11.32*	-12.110	-14.254	-16.370	-18.454	-20.656	-22.898	-25.187	0		n	33,3	•	-54.907
000.		-7.546	-4.634	. 0	00	-0-023	400-0-	100.0-	-0.005	0 0 0	0 to 0	10101	1000	-1.742	-2.085	-2.337	-2.537	-2 750	13.064	10.404	10.24.0 10.24.0	-4.806	-5.219	-5.618	-6.428	-7.382	-8.463	-9.528	-10.521	-11.4445	13.243	-14.229	-15.259	-17.742	-20 • 00 00	-22 758	-25 394	-28 075	-30 599	-32 906	-35 109	-37 391	-39 720	-52,346	-64.827
000"1-	-21.4	-6.5	13.634	-0.28	-0.02	00.0-	00.0-	1	10.0-		-0.517			J	1	13.04	1	E	1	1	ייי ייי יייי יייי יייי	6.32			ī		ī		-13.052	-14.079	116.306	-17.583	-18.720	-21.500	-24.494	-27.550	-30.658	-33,529	-36.120	-38.611	-41.226	3.86	6.5	-61.068	-75.572
-2 000	-19.445	-5.526	-2.635	-0.038	-0.005	-0.000	-0.001	-0.014	-0.145	-0.648	-1.371	18.000 19.60F	766.2-	-3.272	-3.575	-4.050	-4.661	-5.271	15.851	10.45	10.01	-8.000	18.65	-9.379	-10.843	-12.195	-13.424	-14.581	-15.795	-17.147	10.850	-21.111	-22,369	-25.768	-29.261	-32,844	-36.127	-39.051	-41.848	-44 .809	-47.791	-50.894	-54-249	2	-80.00
T DEG K/LOG PE	30.00	2000	2000	8000	0006	1 00 00	11000	1 20 00	1.3000	14000	15000	1 60 00	18000	19000	20000	21000	22000	23000	24000	25000	0000	28000	00000	30000	32000	34000	36000	38000	40000	42000	44000	# 68000 0000	50000	55000	00009	65000	70000	75000	80000	85000	00006	95000	100000	125000	150000

000	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	- 14.944 - 13.267 - 11.697	-8.255 -7.376 -6.610	-5.298 -4.743 -4.243 -3.791	-3.012 -2.676 -2.370 -2.092	11.411 10.805 10.610 10.365	-0.239 -0.207 -0.192 -0.337 -0.499 -0.704 -1.271 -1.623 -2.339	-4.911 -7.509
0 0 0	* * * * * * * * * * * * * * * * * * * *	***** ***** -17°300	-14.839 -12.799 -11.082 -9.615	-6.297 -6.297 -4.7466 -4.145	-3.572 -3.091 -2.666 -2.288	-1.649 -1.380 -1.144 -0.939	-0.539 -0.239 -0.181 -0.151 -0.148	100.225 100.405 100.405 100.405 110.405 110.405 120.674 130.170 130.674 147.692 147.692 147.692	-8.035
0 0 10	* * * * * * * * * * * * * * * * * * * *	****** -21.578 -17.980 -15.055	-12.682 -10.705 -9.035 -7.615	-3.280 -3.280 -2.761	-1.525 -1.525 -1.525	-0.513 -0.513 -0.376 -0.278	1 1 1 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0	1000734 100001 1000001 1000001 1000001 1000001 1000001 1000001 1000001 1000000	-12.058
4	* * * * * * * * * * * * * * * * * * * *	-24.085 -119.365 -15.803	-10.637 -8.702 -7.109 -5.832	-2.173 -2.173 -1.695	-1.274 -0.914 -0.622 -0.260	10.115	-0.075 -0.075 -0.329 -0.573 -0.840 -1.092	11.530 12.754 12.754 13.754 14.218 15.027 16.868 17.820 17.820 10.9988	-16.653 -22.453
0 0 m	* * * * * * * * * * * * * * * * * * *	-21 51 m -17 30 a -13 7 a a	2 0 0 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 6 9 0 1 1 1 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-0 • 4 4 8 -0 • 2 4 6 -0 • 1 3 4 -0 • 0 7 7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2.652 -2.976 -3.352 -4.244 -5.141 -6.199 -7.336 -10.979 -12.323 -15.103	1.80 9.15
0 0 0	***** -49.032 -34.670	-19.778 -15.301 -11.802 -9.045	17.002 15.002 14.422 13.470	-1.284 -0.762 -0.388 -0.177	10.080 10.039 10.023 10.019	-0.048 -0.104 -0.209 -0.374	-1.073 -1.073 -1.928 -2.282 -3.107	-4.026 -4.457 -4.457 -5.946 -7.258 -10.012 -11.522 -13.113 -14.770	-27,538
0000	+ + + + + + + + + + + + + + + + + + +	-17.775 -13.306 -9.872 -7.438	15.785 14.493 13.404 12.464	10.052 10.052 10.062	-0.013 -0.020 -0.020 -0.054	-0.304 -0.550 -0.846 -1.155	11.9996 -2.458. -3.458. -4.020 -4.565	-5.554 -6.035 -6.558 -8.121 -9.737 -11.393 -13.223 -15.137 -17.134 -17.134 -22.642	-34.225
0 0 0 1	-66.942 -43.123 -29.939	-15.776 -11.347 -8.261 -6.278	13.486 -2.403 -1.476	-0.075 -0.075 -0.008	-0.013 -0.045 -0.142 -0.352	-1.041 -1.416 -1.773 -2.104	12.964 13.575 14.258 15.527 15.527	-7.245 -7.945 -8.710 -10.606 -12.638 -16.961 -16.961 -19.314 -21.546 -23.591 -25.559	
000	-63.949 -40.421 -27.521	-13.788 -9.623 -7.101 -5.258	13.752 -2.486 -1.486 -0.551		-0.316 -0.316 -0.685 -1.128	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 4.206 - 5.023 - 5.440 - 7.070	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-49,334 -63,285
000	-80.953 -38.194 -25.919	-11.884 -8.378 -6.081	-12.752 -11.499 -0.546 -0.111	-0.002 -0.002 -0.007	-0.560 -1.067 -1.594 -2.094	12.981 13.881 14.265	-4.701 -5.712 -6.548 -7.293 -8.007 -9.801	- 11. 855 - 12. 829 - 13. 821 - 16. 633 - 19. 683 - 125. 684 - 28. 290 - 28. 290 - 33. 495 - 33. 495 - 33. 495 - 33. 495	-57.772
1 D当G	2000	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 2 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	dddoo 20000 3000 3000 3000 3000 3000 3000 3	J W W W W 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		125000

DEG K/LOG PE	-2.000	000	000	0000	2 000	000 m	0 0 0 a	0 0 0	0000	000
0	-67.520	70.5	5	-76.689	-80.000	80	***	***	* * * * * * * * * * * * * * * * * * * *	***
0000	-50.4215	17.00	200	812.60-	102.200	ם מ	****	* * * * * * * * *	* * * * * * * * * * * * * * * * * * *	* * * * *
000	-37.000	40.4	140.119	-400111		2 4	-46.452	-49.745	***	***
	-23.344	5.36	27.52	-30.134	9	36 05	90	2.22	***	* * * * * *
1,000	-18.442	-20.444	-22.464	-24.624	-27.230	0=15	-33.146	ø	9.45	***
11000	-14.414	-	-18.417	-20.446	-22.663	-25=349	-28.294	1,33	46	*
12000	-11.053	-13.040	-15.040	-17.046	-19,105	-21-450		7.24	0.32	-33,411
13000	-8.315	-10.186	-12.171	-14.172	-16.189	-18 324	-20.873	-23,793	5.82	96
14000	-6.347	-7.827	-9.712	•	-13,705	-15 757	8.0	0.84	-23,828	87
1 5000	-4.927	-6.065	-7,636	-9.556	-11,550		-15.728	8,31	-21.237	O.
16000	-3.749	-4.780	-6.004	-7.705	-9.660	-11 667	-13.747	6.14	-18.979	1.9
17000	-2.720	1.1	-4.792	-6.170	-8.001	986 6-	2.02	4.29	-16.999	-19,931
18000	-1,812		-3,827	-4.977	-6.566	8 493	0	∾.	-15.255	ລໍ.
19000	-1.029			-4.048	-5.374	-7,159	-9.157		-13.717	-16.561
20000	-0.443	-1.273	C)	ň	-4.425	-6-011	_	0 1	-12,354	15.134
21000	-0.140	ς,	, p	-2.593	י פי	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ď,	υt	141.11-	13,040
22000	-0.039	•	-1.017	-1.982	110.5-	-4=21/		000	200.01-	000.21
23000	-0.011	•	-0.557	-1.435	-2.438	3 548	-5.035	or .	-9.071	<u>.</u>
24000	-0.005	-0.034	-0.256	ġ,		676.21	100.4-	0 (5 6
25000	-0.007	-0.012	-0.104	-0.571	-1.457	12 480	-3.690	Ω.	5,50	,
26000	-0.021	-C.007					m (4 .	-6.636	တီ 🤉
27000	-0.071	600.0-	0	္ပံ	-0.695	-	N	101.4-	2000	Ď.1
28000	-0.200	-C.025	-0.010	-0.067	-0.425		-2.296	-3.587		7.565
29000	-0.445	-0.072	-0.011	-0.032	-0.245	О.	-1.927	-3.138	-4.796	ě,
30008	-0.782	o,	0	ံ		0 657	60.	OI (14.295	ô.
3200	-1.540	-0.641	-0.127	-0.019	0	-0-279	•	Ol ∂	-3.437	តំ. 🔻
34000	-2,257	,ŧ	-0.450	-0.074	0.02	-0-107	-0.575	-1.511	-2.746	14.465
36000	-2.902	ı	-0.961	-0.260	-0.039	-0=045	-0.291	1.04	-2.178	-3, 735
38000	-3.496	1	-1.507	-0.618	-0.121	-0=035	-0.141	Ο.	-1.703	-3.123
40004	-4.127	-3.002	-2.017	-	-0.317	0 0 0 4	-0.074	0.41	-1.303	-2.606
42000	-4.850	,	-2.476	-1,511	-0.626	-0-127	-0.051	-0.249	696.0-	-2.167
00044	-5.568	-4.069	-2,895	-1.923	-0.989	-0 280	-0.059	0.15	0	-1.791
46000	-6.226	4	1 .3	-2.292	35	-0 512	-0.102	0	-0.495	-1.467
4 8000	-6.848	-5.271	-3.790	-2.630	-1.684	064_0-	-0.193	90.0	٠, ١	161-1-
2000	-7.504	ų,		-2.971		-1 075	-0.339	0.08	0	866.01
55000 5000	-9.557	-7.283		-3,967	OI I	107 11	00 L	N	-0-138	10.043
00009	-11.906	Ç.	-6.808	-4.991	-3.464	S N	1.328	0	601.0-) 10 ° 0 -
65000	-14.506	1,21	-8.417	-6.107	Ŋ	12 843	-1.729	•	Ο.	•
■ 0 00 01	-16.934	173	-10.200	-7.459	• 24	3 54	2.17	-1.218		6
\sim	-19.106	ເນ	N	-8.952	, u	-4-280	-2.706		-0.735	·
80008	-21.237	ŝ	-13.988	٠ د	SS	-5-122	28	88	• 94	-0.360
\sim	-23.602	Q,	15.69	2.19	8.8	-6=082	6	2,31	- 4	ô
00006	-26.047	1.4	7	3.71	8	2	-4.625	2.77	1.43	0
00056	28°	23.63	910	5.17	1.59	2	-	3.27	1.73	
\sim	-31.6574		-21.045	-16,699	2.88		.27	3,8	5.09	0
125000	46.0	8.6	6.1	5,53	19.8	,	96.0	m ·	4.34	
\sim	-61.316	-51.911	-43.167	-35.246	-28.248	_z 783	-16.078	-11.429	-7.425	-4.137

ATOMI< SPECIES : FE 7

DSG K/LOG PE	18.000	1.000	000-0-	1.000	2.000	3.000	4 • 000	5,000	000*9	000 1.
11000	71.416	-75-416	000-08-	-80.000	-80.000	-80-000	-80.000	000.08-	000000	****
12000	-61-155	5.14	69	-73.149	20	-80.000	0	-80.000	-80.000	-80.000
13000	-52,569	156,440	-60.425	-64.426	-68.443	-72.576	-77.121	-80.000	-80.000	180.000
14000	-45.579	650.54-	-52.945	-56.932	-60.937	-64.988	-69.291	-74.060	-80.000	-80 00B
1 5000	-39.799	-42.937	-46.508	-50.428	-54.421	-58.442	-62.596	-67.174	-72.074	o O
1 6000	-34.799	-37.630	-41.054	-44.755	-48.710	-52.715	-56.793	-61.186	-65.997	70 80
17000	-30.391	-33,398	-36.464	-39.841	-43.672	-47.656	-51.696	-55.949	-60.641	-65,527
18000	-26.474	-25.470	-32.489	-35,639	-39.228	-43.154	-47.169	-51,329	-55.891	-60.736
1 9000	-22,994	-25.957	-28,959	-32.013	-35.339	-39,133	-43.119	-47.217	-51.658	-56.463
20002	-19,975	-22.805	-25.787	-28.805	-31,957	-35.542	-39.471	-43,529	-47.865	-52,608
21000	-17,467	-20.008	-22.920	-25.919	-28,986	-32,353	-36.177	-40.196	-44.447	-49.121
22000	-15,356	-17.604	-20.334	-23.299	-26.327	-29.533	-33,198	-37,169	-41.350	-45.954
23000	-13.490	-15_579	-18.036	-20.914	-23.916	-27.026	-30.512	-34.409	-38.532	-43.063
24000	-11.795	-13.824	-16.046	-18.747	-21.711	-24.768	-28.095	-31,886	-35.956	-40.416
000GZ	-10.239	-12.245	-14,337	-16.803	-19.689	-22.712	-25.921	-29.581	-33.591	ra6 A
26000 °	-8.814	-10.799	-12,834	-15.093	-17.836	-20.822	-23.954	-27.475	-31.414	-35.740
27000	-7.527	-9.465	-11:473	-13.600	-16.151	-19.079	-22.159	-25,552	-29.406	-33.666
28000	-6.412	-8.237	-10,222	-12.279	-14.637	-17.468	-20.507	-23,795	-27.550	-31,743
29000	-5.496	-7 123	-9.062	-11.084	-13.293	-15,983	-18.977	-22,185	-25.835	-29,957
30000	-4.748	-6.144	-7.989	-9,983	-12.097	-14.622	-17.555	-20.704	-24.250	-28.295
0	-3.533	-4.633	-6.118	-8.010	-10.031	-12.270	-15.006	-18.056	-21.419	-25.299
34900	-2.505	-3.525	-4.692	-6.316	-8.263	-10.348	-12.815	-15.750	-18.979	- 22 683
36000	-1.604	-2.599	-3.643	-4.940	-6.719	-8,725	-10.970	-13.725	-16.851	-20 394
38000	-0.844	-1.785	-2.791	-3.897	-5.398	-7.308	-9.416	-11,956	-14.973	-18 379
40000	10 B21	-1.078	-2.047	-3.079	-4.327	-6.061	-8.081	-10.424	-13,304	965 91 1
4 2000	-0.092	-0.524	-1,389	-2,385	-3.487	-4.984	-6.906	-9.102	-11.818	115 005
4 4000	-0.027	-0.197	-0.829	-1.771	-2.806	-4.087	-5.862	-7.953	-10.498	113 578
46000	000	-0.065	-0.412	-1,227	-2.221	-3,350	-4.942	-6.938	-9.328	- 12 291
4 8000	-0.054	-0.026	-0.172	-0.766	-1.701	-2.762	-4.150	-6.033	-8.293	111 128
20000	-0.177	-0.028	-0.067	-0.418	-1.238	-2.249	-3.482	-5.221	-7.375	920 011
55000	-1.074	10.301	-0.048	-0.063	-0.392	-1.201	-2.234	-3,581	-5.470	-7 864
00009	-2.449	-1.183	-0.360	-0.060	-0.082	-0.471	-1.329	-2.436	-3,995	-6 131
65000	-4.204	-2.418	-1.129	-0.325	-0.059	-0.135	-0.657	-1.607	-2.885	-4 756
20000	-5.851	ZZ6 PI	-2.178	-0.945	-0.235	-0.362	-0.258	-0.972	-2.065	-3 659
75000	-7.210	E: 334	-3.446	-1.789	-0.681	-0.141	-0.102	-0.513	-1.438	-2 799
80000	-8.444	-6.518	-4.662	-2.819	-1.322	-0.405	060.0-	-0.244	-0.947	-2 126
0	-9.890	17.605	-5.700	-3.862	-2.113	-0.846	-0.196	-0.127	-0.582	-1 596
00006	-11-464	-8.863	-6.648	-4.784	-2.977	-1.410	-0.437	-0.113	-0.340	-1 172
_	-13 278	-10.238	-7,715	-5.613	-3.792	-2.069	-0.795	-0.186	-0.205	-0 836
100000	-15.456	-11.768	-8.899	-6.493	-4.527	-2.756	-1.240	-0.348	-0.152	-0.581
125000	-27.106	-21.667	-16.944	-12.554	-8.858	660.9-	-3.865	-2.094	-0.763	-0.226
150000	-40.356	-32.952	-26.207	-20.286	-15.287	-10.818	-7.102	-4.419	-2.331	-0.844

Φ III.

-80.000 -28.860 -26.622 -24.571 -16.269 -13.748 -11.677 -9.931 -7.015 -4.662 -48.477 -70.075 -52,998 -40.623 -34.113 -31,339 -22.672 -19.247 -8.396 -63.639 -58.010 -37.207 -25.733 -23.565 -21.550 +13.645 -11.451 -9.571 -80.000 -44.478 -3.067 -2.366 -1.041 -5.073 -48.980 -36.745 -33,506 -28,080 -16,355 -7.900 -6.400 -3,953 000.01 -59.489 -53.957 -30.647 -19.677 11.000 -22.060 -19.787 -17.755 -15.984 -45.991 -41.168 -37.025 -57.626 -27.255 -9.458 -5.624 -2.271 -1.560 -0.949 -14.437 12.000 -33,426 -30.200 -11.770 -3.103 -0.067 PE DES KYLWG ATOMIC SPECIES 28000 32000

-68.751 -64.857 -61.275

-63,234

-58.116 -50.888

-57 267 -53 220 -49 555 -46 230 -43 199

-67.412 -59.409 -55.894 -54.910

-46.888 -44.318

-42.136 -39.671 -37.391

-40 418

-36.339 -33.811 -31.470

-32.411 -29.980 -27.780

-29.310 -25.507 -22.301 -19,532

-22,268

-57,969

-52.654 -49.660 -46.970

-41.933 -37.651

-33.292

-33.928

-35.191

-30.655 -27.750 -25.154

-26.532 -23,735

-29.701

-35 849 -35 464 -33 245 -29 242 -25 768 -22 777 -20 196 -117 933

-49.430 -42.524 -38.625 -32.150

180.000

-80.000 -80.000 -80.000

-80.000 -71.718 -62.236 -54.344 -47.719 -44.810

-78 168

-77.211 -66.751

-66 € 663

-73.154 -67.130 -61.735

-74.907 -68.227 -62.336 -57.150

-61 734

-56.911

-52.544

-48.735 -45.229 -39.068

-44,625

-42.021

-41.172

-35.082

-80.000 -80.000 -80.000

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-77.655

-73.001

-29.440 -27.009 -24.815

-22.827

-21.275

-17.088

-19.215 -16.527 -14.178 -12.179

-12,995

-11.331 -9.901 -8.657

-9.050

-6.597

-17.196

-14=106 -12-484

-15.479

-21.017

-17.187

-13.927 -9.573 -7.331

-11 045 -9 781 -7 226 -5 224 -3 618

-7.548 -5.194 -3.366

-5.538

-1.978

-0.955 -0.286

-0.255 -0.338 -0.925

-0.091

-22.826

-18.867

-13.023

-12.460 -9.889 -7.844

-15,851

-7.244 -4.870

-5,951

-3,953 -3,172 -2,516

-1.544

-0.899

-0 476 -0 229 -0 156

-0.133

-0.423

-1.237

-1.591 -2.230 -2.912

-4 439 -5 555 797 3-

-0.477 -0.834 -3.203

-1,318

-2,366

-0.300

-1.404

-8.809

-6.217 -4.886 -2.857 -2.122 -1:091

-4.125 -2.962 -2.071

-1 551

-2.095

-1.020 -0.389 -0.133

-0 919 -2 411

-0.236

-0.161

-0.248

-2.071 -2.892 -3.803

70000

-5.013

85000 F

-6,301

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-1.177

-0.346

-0.681

-0.100

-0.591

-5.567

-0.639

-0.243

-6.929

-10.418

-14.424

-3.045

-11.288 -19.347

-19.460 31.497

1250000

-9.534

-80.000 -76.301 -72.686 7.000 -80.000 -38.676 -35,888 -21,935 -69,314 -63.214 -53-113 -45.134 -41.744 -33,344 -31,018 -11.368 -57,851 -48.901 -26.012 -18,562 -8.158 -13,371 -9.654 -6.871 -80.000 -70.128 -66.583 -47.582 -12.149 -10.015 -8.193 -3.321 -57.349 00000 -80.000 -80.000 -78.065 -73.946 -63.287 -52,161 -39,853 -36.567 -33,605 -30.932 -28.517 -26.324 -21.624 -17.804 -14.696 -6.643 -4.245 -80.000 -64.379 -51.992 -1.530 -0.119 -0.640 000 -22.172 -9.058 -7.091 -3,116 -72,134 -38.493 -34.976 -29,063 -26.546 -24.258 -14.247 -80.000 -76.517 -68.100 -57.747 -42.461 -31.854 -11.420 -4.191 -5.491 -80 000 -80 000 -75 498 -66 616 -62 709 -59 094 -55 733 -80 000 -80 000 -80 000 -33 955 -30 635 -27 659 -24 974 -1 446 4 • 000 -70 860 -52 602 -46=944 -42=004 -2=262 -22=551 -80.000 -75.104 -70.172 -33,453 -4.149 -2.721 -1.656 -54.056 -16,989 -23.737 -0.076 -61.485 -57,530 -47.668 -42,209 -37,537 -26.616 -18.959 -11.359 -8.293 -5.948 -0.920 -0.0445 -0.183 -75.319 -49.225 -37.970 -33.452 -29.458 -15.830 -13.929 -12.191 -5.895 -2.323 -1.263 -0.581 -0.212 -0.063 -17.918 -65.116 -60.630 -56,499 -52.702 -43.143 -22,881 -8.550 -20.241 -0.034 -29.505 -70.291 -44.867 -41.841 -39.030 -10.994 -9.370 -6.221 000 -2.139 -0.378 -55.744 -51.756 -33,949 -22.436 -14.883 -48.152 -19.633 -17.139 -3.872 -60.151 -12.837 -0.029 -0.028 -0-112 -9.563 -80.000 -77.465 -71.098 -65.326 -60.114 -40.810 -37.820 -35.035 -22.381 -19.330 -16.602 -8.399 -7.020 -4.206 -0.055 -0.178 00000 -55.450 -51.278 -47.497 -44.025 -30.057 -25.881 -14.143 -11.941 -10.021 -2.172 -0.943 -0.272 -0.033 -0.596 -60.597 -55.658 -51.228 -36.826 -33.880 -31.190 -26.572 -22.714 -19.337 -16.324 -13.632 -11.278 -5.309 -6.253 -4.981 -2.464 10.036 000 -66.187 -47.186 -43.462 -40.017 956.0--0.235 -0.239 -0.795 -1.574 -2.570 -9.844 -18.277 -33.000 -30.253 -27.795 -56,348 -19.694 -16.342 -13.383 -10.876 -7.139 -4.281 -3.130 -1.232 -0.006 -0.031 -0.264 -23.472 -2.000 -39.477 -36.079 -47.199 -43,180 -8.846 -0.263 -0.030 -0.936 -1.859 -3.096 W DSG K/LOG 34000 36000 38000 40000 80000 95000, 1000000, 125000, 150000, 00006 44000

ATOMIC SPECIES

K*LOG PE	-2.000	-1.000	000.0	1.000	2.000	3 000 E	4	5.000	000.9	000 2
-77.	073	000 08.1	-80.000	-80.000	-80.000	-80,000	-80 000	-80.000	-80.000	-80 000
-11-	508	176 493	-80.000	-80.000	-80.000	-80,000	-80 000	-80.000	-80.000	-80 000
-66	384	1.71 322	-76.330	-80.000	-80.000	-80 000	-80 000	-80.000	-80.000	000 Off-
-61	102	- 66 ■ 526	-71.511	-76.568	-80.000	-801000	-80 000	-80.000	-80.000	-80=000
-57	.460	- 62 B 387	-67.026	-72.047	-77.256	-801000	-80 000	-80.000	-80.000	-80 000
53	•604	000 891	-62.845	-67.839	-72.953	-80, 000	-80 000	-80.000	-80.000	000 OE-
-46	747	1 50 B47	-55.333	-60.224	-65.245	-70,484	-76 218	-80.300	-80.000	-80 000
140	.729	-44 749	-48.916	-53.540	-58.487	-63, 572	-69 039	-74.970	-80.000	-80 000
5	.382	-39 377	-43.421	-47.719	-52.498	-57 503	-62 747	-68.500	-74.619	-80 000
-30	635	-34 = 576	-38,582	-42.688	-47.189	-52.039	-57 206	-62.744	-68,755	-75 144
-26	5,515	-30 272	-34.241	-38,273	-42.521	-47 255	-52 274	-57.615	-63.490	-69-766
12	.024	126 156	-30.321	-34,317	-38.419	-421915	-47 837	-53.031	-58.742	-e4 915
ĩ	9.986	123 156	-26.788	-30,730	-34.765	-39,046	-43 820	-48.909	-54.450	-00 517
7	7.258	126 304	-23.651	-27,466	-31.460	-35, 598	-40 180	-45.174	-50.560	-56 511
1	-14.793	117 765	-20.910	-24,505	-28.440	-32, 500	-35 888	-41.769	-47.026	-52 850
ĩ	3.611	115 # 62	-18.501	-21,851	-25.672	-29 632	-33 915	-38,653	-43.803	-e9 +63
ĩ	3.457	10 = 590	-13.431	-16.446	-19.775	-23+584	-27 615	-31,962	-36.847	-42-233
ï	669.5	- r = 332	-9.508	-12,208	-15.231	-181519	-22 476	-26,582	-31+139	-36 267
ï	-3.760	-4 965	-6.673	-8.868	-11.602	-14,577	-18 200	-22.149	-26.424	-B1 288
ï	-2.351	-3 382	-4.617	-6.379	-8.668	-11,494	-14 690	-18.403	-22.493	-27 082
1	-1.171	-2 149	-3.195	-4.518	-6.402	-8,860	-11 820	-15.230	-19,153	-23 508
1	-0.343	-1-115	-2.094	-3.182	-4.660	-6, 735	-9 41 m	-12.570	-16.271	-Z0 445
1	-0.074	-0=377	-1.171	-2.167	-3.350	-5 058	-7 400	-10,329	-13.781	-17=790
1	-0.158	-C 393	-0.476	-1.326	-2.367		-5 740	-8.413	-11.636	-15 464
1	-0.642	-0 117	-0.139	-0.654	-1.576	-21725	4 400		-9.786	-13 411
1	-1.616	3E# 0-	-0.087	-0.241	-0.923	-1,935	-3 318		-8.179	
Ī	-8.402	-5 572	-3.390	-1.516	-0.334	-0,105	450	-1.361	-2.849	-5 234
7	-17.175	-12 732	-A-AB2	-6.737	-3-3A2	-1.473	-0 283	-0.145	-0.653	-1 879

-80.000

-80.000 -80.000 -75.735 -71.234 -61.468 -46.647

-53.406 -40° 911 -36,008 -28,096 -21,983 -19,436

-31.780 -24.854 -80,000

-63,718 -56.298 -49,930

-72,436

-80,000

-44.417

-35,339 -31,557

-28.187 -15.870 -8.51z

FE11

-80.000 -80.000 -75.670 -67.617 -60.623 -39.918 -23.970 -14.157 -80.000 -49.066 -44.235 000 IC 7 000 -80.000 -54.492 -80 000 -80 000 -80 000 -80 000 -77 172 -68 088 -68 088 -69 268 -60 26 180.000 180.000 -25.633 000 6.000 -80.000 -62.602 -56.139 -50.416 -45.316 ø -80 000 -80 000 -80 000 -80 000 -70 381 -72 381 -55 241 -55 152 -80.000 -69.899 -27.710 -14.100 -6.428 -43 405 -38 527 -21 145 -10 935 2 000 5.000 -80.000 -80.000 -80.000 -53,347 -46.755 -41.036 -31.602 -36.021 - 80 000 - 80 000 - 80 000 - 73 221 - 62 951 - 54 951 - 54 287 - 10 603 - 35 108 - 35 35 - 26 60 - 10 189 -80 000 -80 000 -80 000 -72 086 -52 971 -48 225 -48 225 -47 245 -32 457 -16 235 -7 084 8 4 -80 000 -80 000 -80 000 -80 000 -66 364 -766 364 -48 092 -24 766 -25 347 -18 257 -18 257 -18 257 -18 257 -27.073 -11.890 -4.289 -64.891 -56.011 -48.407 -80.000 3_000 3.000 -75.259 -41.383 -36.244 -31,357 -80.000 -35.520 -14.245 -4.076 -0.748 -80.000 -58.065 -49.554 -42.332 -71.580 2 000 2 000 -80.000 -59.976 -20.975 -50.353 -42.266 -25.057 -17.405 -68.184 -30.872 -8.121 -36.174 -26.208 -22.061 -80.000 -30.635 -10.563 -2.262 -0.246 -51.776 -43.669 -36.853 -30.992 -73.147 -21.286 -17.379 -5.308 -0.752 1.000 -65.252 -53,953 -20.875 -80.000 -44.620 -36.977 -16.934 -13,483 1.000 -25.831 -80.000 -59.236 -26.312 -7.409 -1.150 -0.666 -66.448 -46.014 -38.347 -31.766 -25.996 0000-0--3.196 -72.749 -32,215 -0.000 -39.424 -16.879 -13.084 796.6--20.982 -16.771 -13.225 -80.000 -72.874 -66.710 -53.495 -22.266 -17.301 -13.084 -73.475 -60.271 -45.547 -34.716 -6.946 -4.757 -0.372 -1.910 -46.778 -33.300 -26.787 -21.201 -12.749 -1.000 -1.418 -1.000 -16,599 -9.702 - 666 902 - 666 902 - 660 859 - 138 263 - 138 263 - 136 263 - 136 288 - 136 -67.243 -54.538 -44.341 -35.748 -22.015 -9.274 -6.755 -0.356 -1.322 -2.000 12.00 -12.663 FE13 FE14 ď DEG KALDG PS ATOMIC SPECIES : .. ATOMIC SPECIES DEG K/LOG 46000 48000 50000 70000 75000 80000 55000 60000 65000 85000 550000 650000 70000 75000 85000 95000 100000 125000 150000 1000000 00006 95000

ATOMIC SPECIES : FEI5

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0 0 0 10	-80,000 -80,000 -80,000 -80,000 -71,839 -64,242 -57,503 -51,517	000 n	-80 000 -80 000 -80 000 -80 000 -74 2 114 -67 015 -24 277	% 7 h	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 10
4 • 000	-80 000 -80 000 -80 000 -72 802 -63 912 -56 573 -44 446 -23 955	4.000	180 000 180 000 180 000 173 714 165 881 158 945 133 685	4 0 0	1 80 000 1 80 000 1 80 000 1 80 000 1 75 611 1 45 199	4 000
000 m	-80 0000 -80 0000 -73 9000 -73 946 -64 570 -56 570 -49 558 -443 455	000 m	-80 000 -80 000 -74 254 -55 710 -58 206 -51 562 -27 341	0 0 m	180 180 180 180 180 180 180 180 180 180	0 0 m m
2.000	-80.000 -76.957 -66.957 -56.958 -57.545 -49.861 -43.196 -37.306 -32.051 -13.842	2.000	-80.000 -80.000 -75.985 -66.555 -58.338 -51.057 -44.550	2.000	-80.000 -80.000 -75.851 -67.073 -59.215	2.000
0000	180 000 169 169 169 169 169 169 169 169 169 169	0 0 9 ml	-80,000 -80,000 -68,506 -59,373 -51,297 -44,135 -37,868 -16,758	000	-80.000 -80.000 -77.558 -67.810 -59.151 -51.533 -25.273	0 0 •
00 0 0	-80.000 -74.357 -62.907 -53.683 -37.683 -31.306 -25.869 -21.215 -6.917	0 0 0 1	-80.000 -71.697 -61.418 -52.377 -44.447 -37.620 -31.714	0 • 0 • 0	-80.000 -89.500 -59.562 -59.960 -51.636 -20.160	0 0 0 0 1
000	-80.000 -67.000 -56.671 -347.000 -31.888 -25.923 -16.563 -0.230	0 0 1	1 5 4 5 6 5 1 1 1 1 2 6 6 5 1 1 1 1 2 6 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	000 .	-80.000 -72.501 -61.767 -52.577 -44.614 -37.728 -15.383	0 0 •
000 N	-74.295 -61.484 -50.640 -41.256 -33.228 -26.586 -20.987 -16.372 -12.745	FE16 -Z•000	-69.314 -57.673 -47.668 -39.280 -26.128 -21.244 -5.806	FE17	-76.859 -64.730 -54.465 -45.642 -38.139 -31.909 -11.321	F818 -2_000
T DEG <td>60000 70000 750000 800000 850000 1000000 125000</td> <td>ATOMIC SPECIES:</td> <td>70000 75000 80000 90000 95000 125000</td> <td>ATOMIC SPECIES: 6 I DEG /LOG DE</td> <td>75000 85000 90000 95000 100000</td> <td>ATGMIC SPEC E B : F</td>	60000 70000 750000 800000 850000 1000000 125000	ATOMIC SPECIES:	70000 75000 80000 90000 95000 125000	ATOMIC SPECIES: 6 I DEG /LOG DE	75000 85000 90000 95000 100000	ATGMIC SPEC E B : F

7.000

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-0.137 -0.272 -0.417 -0.577 -0.738 -0.89¢ -1.043 -1.187 -1.329 -1.471 -1.618 -1.772 -1.934 -2.106 -2.289 -2.482 -2,693 -2,925 -3.184 -3,772 -4.408 -5.034 -5.624 -6.173

-0.628

-0.177 -0.377 -0.886

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ATOMIC SPECIES

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14000	50.18	10	-57,490	-61.475	-65.488	-69.614	-74.155	0	00	80.
15000	-44-180	-47.260	-50.689	-54.551	-58.538	-62.579	-66.867		-76,528	-80.000
0	-38.973	86	-45.084	-48.569	-52.458	-56.460	-60.590	-65.135	-69.998	-74,922
1 7000 e	-34,373	•	-40.393	-43.543	-47.137	-51.069	-55,118	-59,462	-64.230	-69,130
18000	-30.275	-33.276	-36.279	-39,314	-42.564	-46.297	-50.283	-54.477	-59.109	-63.977
O	-26.500	-29.600	-32,600	-35.609	-38.686	-42.105	-45.973	-50.064	-54.544	-59,362
20000	-23,288	-26.283	-29.283	-32.285	-35,307	-38.484	-42.127	-46.124	-50.460	-55.207
	-20.000	-23.277	-26.275	-29.275	-32.281	-35,345	-38,721	-42.583	-46.793	-51.450
22000 °	-17.630	-20.543	-23,533	-26.533	-29.535	-32,557	-35.736	-39,395	-43.487	-48.041
• 0000 F	-15,305	-18.061	-21.026	-24.023	-27.023	-30.031	-33,108	-36,537	-40.493	-44.937
* 0000e	-13,320	-15,831	-18,729	-21.717	-24.716	-27.719	-30.751	-33,993	-37.774	-42,104
Z 5000 =	-11:594	-13.870	-16,626	-19.592	-22.589	-25.589	-28.602	-31,726	-35,307	-39,511
26000	-10.044	-12.168	-14.718	-17.631	-20.621	-23,620	-26.625	-29.685	-33.075	-37,132
27000_	-8.632	-10.673	-13,012	-15.820	-18.795	-21.792	-24.794	-27.823	-31.063	-34.948
28000	-7.352	-9.328	-11.507	-14-156	-17.098	-20.091	-23.091	-26.104	-29.243	-32,942
0	-6.229	-6.100	-10.176	-12.640	-15.519	-18.504	-21.502	-24.508	-27.585	-31,103
30000	15 293	-6.985	-8.982	-11.275	-14.051	-17.020	-20.016	-23.018	-26.059	-29,421
32000	-3.886	-5.148	-6.901	-8.964	-11.442	-14.328	-17.314	-20.312	-23,321	-26.475
34000	-2.786	-3.847	-5,215	-7.070	-9.271	-11.968	-14.921	-17.914	•	-23,969
e 0009 M	-1.834	-2.842	-3.960	-5.497	-7.488	-9.924	-12.792	-15.774	-18.769	-21,785
38000	-1.016	-1.981	-3.010	-4.250	-5.999	-8.191	-10.898	-13,853	-16.843	-19.842
40000	-0.413	-1.228	-2.214	-3.299	-4.760	-6.739	-9.228	42.120	•	-18.094
42000	-0-119	-0.619	-1.517	-2,536	-3.764	-5.513	-7.778	-10.556	-13,522	-16,508
44000	-0.032	-0.237	-0.918	-1,879	-2.975	-4.479	-6.537	-9.150	-12.080	-15.062
	-0.014	-0.076	-0.460	-1.302	-2.326	-3.620	-5.475	-7.897	-10.763	-13,737
48000	-0 032	-0.026	-0.189	-0.812	-1.766	-2.918	-4.563	-6.794	-9.560	-12.517
20000	-0.115	-0.020	-0.071	-0.438	-1.274	-2.335	-3.783	-5.830	-8.462	-11.392
O	-0.916	-0.236	-0.036	-0.061	-0.385	-1.199	-2,313	-3.924	-6.160	-8,935
00009	-2.075	-1.059	-0.309	-0.050	-0.074	-0.441	-1.308		-4.427	-6.920
02000	-3.501	-2.087	-1.048	-0.301	-0.053	-0-116	-0.606	-1.604	-3.127	-5.302
	-5,200	13,360	-1.940	-0.913	-0.234	-0.056	-0.220	-0.912	-2.149	-4.028
0	-6.805	-4.814	-3.020	-1,664	-0.693	-0.149	-0.086	-0.449	-1.419	-3.025
00008	-8.456	-6.179	-4.243	-2.538	-1.299	-0.441	-0.093	-0.202	-0.882	-2.231
85000	-10,105	-7.578	-5.399	-3.542	-1.982	-0.891	-0.227	-0.110	-0.511	-1.607
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n	-13.711	-10.474	-7.785	-5.468	-3.575	-1.989	-0.871	-0.226	-0.176	-0.766
0	77	-12.064	-9.030	-6.477	-4.354	-2.620	-1,283	-0.425	-0.147	-0.512
125000	•20	-21.297	-16.753	-12,468	-8.833	-5.986	-3.724	-2.021	-0.839	•
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20002	4.058	-3-7-49	'n	ריו נ	2.7	i	-2.082	*	* *	****
80008	-4.078	901 H1	3.42	1.77	2.78	4	.11	-	****	***
•0006	-4.094	-3.761	3.42	m	.81	2.47	2.1		**	* * * * *
10000.	-4.109	-3.776	4 t	ו מו	2.77	44.	2.15		1.45	***
13000	14.125	13.790	•	-3.124	2 6	12.407	N	11.827	-1.480	***
13000	-4.148	13.815	'n	3.14	-2.814	2.48	2.1	1.814	1.48	•
14000.	-4.158	-3.825	m	3.16	.82	2.49	.15	<u></u>	-	61.
15000.	-4.168	13.835	10	ו ניו	2.83	å c	-2.171	.0 	.	-1.198
1 2000	14.178	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13.011	-3.187	φ α	10.01	12.185	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1.511	11.198
18000.	-4-195	-3.861	, ki	, ,,	ıN	2.52	2.19		1.52	-1-198
19000	-4.203	-3,869	(J	-3.203	36	53		.87	.53	-1.203
20000	-4.210	-3.877	3.5	111	2.87	2.54	N.	÷		-1.210
21000	-4.218	13.884	n r	r) :	-2.884	a c	o c	⊶.		-1.217
* 0000 c	6225	16.00	, i	10000	160.01	100.01 00.01		11.000	11.500	11.030
24000	-4.230	1000°E	Ŋ	'n	8	2:57	-2.237	-1.905	1.57	• 🔸
25000.	-4.236	-3.905			96	-2.576	. •	-1.910	-1.578	-1.242
26000	-4.241	-3.909	m	(P)	2.91	ů (a c	-1.915	-1.585	-1.248
27000.	-4.246	D 0 0 0	יי פיי	•	V C	72.537	12.00 40.00	-	-1.590	11.258
29000.	-4.257	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19.891	117	-2.931	i		93		
30000	-4.261	-3.928	-3,595	-3.265	-2.938	-2.602	N		-1.603	
32000.	-4.271	-3 937	-3.604	-3.272	-2:043	-2.612	-2.278	• 94	.61	-1.278
34000.	-4.279	-3.946	-3.613	-3.280	(V	å	-2.287	•	-1.621	-1.290
36000	14.288	13.054	-3.621	-3.288	LY L	-2.627	2.296	-1.962	-1.629	-1.297
40000	-4.303	02.6 n m 1	-3.636	-3,303	-2.970	'n	v N	-1.978	-	
42000	-4.310	22.6 E1	-3.643	-3,310	-2.977	-2.644	ાભા		.65	-1,318
44000	-4.317	£86 E1	-3.650	-3.317		-2.650	-2.319	-1.993	-1.658	-1,325
46000.	-4.323	066 1	-3.656	-3,323	OI (-2.657	-2.324			-1,331
48000°	4.329	966 P	13.663	13.329	12.996	12.653	-2.330	12.000	-1.672	-1,337
55000	0000		ייור	3,349) N	1 (7	-2.349	2.01	•	
00009		14 028	3.6	-3,361	0	-2.695	-2.362	2.0	•	.37
65000°	-4.373	040 41	-3.706	-3.373	040 040	-2.706	-2.373	0	-1.708	-1.379
70000	-4.384	-4 050		-3,384	Ç	-2.717	-2.384	0		٠
75000.	•39	-4 060	3.7	3,39	Ç	CI I	.	2.06	-1.728	1.39
80000	-4.403	8	3.73	3.40		2.73	0 4	104	•	. .
90000	24.4	14.0.68	13.753	13.410	0 0 0 F	-2.753	12.412	12.087	11.754	-1.421
95000	-4.428	ON.	• 76	-3.428		•76	.42	2.09	.76	
1000001	-4.435	4.10	• 76	• 4.3	m		.43	0.7.	1.76	. 43
125000			æ	46	. T.	8	4	. 13	-1.801	1.4
150000.	464.41	-4. 60	-3.827	-3.494	-B-160	-2.827	-2.494	-2.160	-1.827	-1.494

T DEG	-2.000	-1.000	000	1.000	2.000	3.000	4.000	5_000	6.000	7.000
7000	-4.308	666*8-	-3_692	-3.350	-3.015	-2.677	-2.332	****	****	* * * * * *
8000	-4.327	-3.994	-3.573	-3,385	-3.037	-2.730	-2.362	.91	***	****
■0006	-4.344	-4.011	13.678	-3,355	•06	-2.720	-2,382	-2.043	***	* ***
10000	-4.361	-4.027	-3.693	-3,360	-3.039	-2.750	.40	-2.061	-1.702	***
11000	-4.373	-4.042	-3.767	-3.374	•04	-2.729	• 42	0	-1.730	***
12000	-4.386	-4.053	-3_721		-3.053	-2,719	-2.426	2.09	-1.751	-1.261
13000	-4.398	4.064	-3-731	39	-3.065	-2,731	-2.414	• 1 1	-1.761	-1.407
14000	-4.408	-4.075	3	0	-3.076	-2.742	.40	-2.114	.77	-1.426
15000	-4.418	-4.085	-3.752	•	-3.085	-2.752	-2.418	-2.106	-1.796	-1.441
16000	-4.428	-4.054	-3.761		-3.094	-2.763	-2.428	-2.105	8	-1.455
17000	-4.436	-4.103	-3.770	-3.436	-3.104	-2.770	• 43	-2.103	-1.804	-1.469
18000	-4.445	-4.111	-3.778		-3.112	-2.779	-2.445	-2.112	.79	-1.485
19000	-4.452	-4.119	-3.786	-3.453	-3.119	-2.786	-2.453	-2.120	-1.799	-1.501
20000	-4.450	-4.127	3.75	*	-3.127	-2.794	-2.462	-2,128	-1.801	-1.504
21000	-4.468	-4.134	00 m	-3.467	-3.134	-2.800	-2.468	-2,135	-1.801	-1.500
22000	-4.475	-4.1.41	_8 07	4	-3.140	-2.807	-2.474	-2.144	89	-1.498
23000	-4.477	-4.149	41 m-	-3.480	-3.147	-2.814	-2.480	-2.149	-1.815	-1.498
24000	-4.480	-4.153	-m 20	-3.486	-3.153	-2.820	-2.487	-2.154	-1.821	-1.499
25000	-4.485	-4.155	-3.028	-3.492	-3.159	-2.826	-2.492	-2.160	-1.828	-1.501
26000	-4.491	-4.159	-3.832	-3.498	-3.165	-2,831	-2.498		-1.835	-1.499
27000	-4.496	-4.163	-3.834	-3.50.5	-3.170	-2.837	-2.503	-2 170	-1.840	-1.508
28000	-4.501	-4.168	-3 837	-3,511	-3,175	-2.842	-2.509	-2,176	-1.844	-1,512
29000	-4.506	-4.173	-3.841	-3.512	-3.181	-2,847	-2.514	-2=181	-1.849	-1.517
30000	-4.511	-4.178		-3.515	-3,188	-2.852	-2.519	-2=185	-1.853	-1.523
32000	-4.521	-4.187	-3 854	-3.522	-3.193	-2,852	-2.528	-2 195	-1.862	-1.528
■0004€	-4,529	-4.156	-3.863	-3.530	-3.198	-2,873	-2.537	-2 204	-1.871	-1.540
36000 ■	-4.538	-4.204	-3.871	-3.538	-3.205	-2.876	-2.545	-2 212	-1.879	-1.547
38000	-4.545	-4.212	-3.879	-3.546	-3.212	-2,881	-2.556	N.	-1.886	-1.554
40000	-4.553	-4.219	-3.886	-3.553	-3.220	-2.887	-2.559	Q.	-1.894	-1.561
42000	-4.560	-4.227	-3.893	-3.560	-3.227	-2.894	-2.564		-1.901	-1.568
44000	-4.567	-4.233	-3.900	-3.567	-3.233	-2.900	-2.569		-1.908	-1.575
46000	-4.573	-4.240	ICOM M	-3,573	-3.240	-2.907	-2.574	ر ا	-1.915	-1.581
48000	-4.579	-4.246	Z4e-E-	-3.579	-3.246	-2.913	-2.580	۱۱	-1.922	-1.587
50000	-4.585	-4.252	-3.918	-3.585	-3,252	-2.919	-2.585	ભ -	-1.929	-1.593
55000	4.599	-4.265	-3.932	-3.599	-3.266	-2.932	-2.599	-2=266	-1.937	-1.605
00009	-4.611	-4.278	-3.945	-3.611	-3,278	-2.945	-2.612	Č.	• 94	-1.621
65000■	-4.623	-4.289	-3.956	-3.623	-3.290	-2.956	-2.623		• 95	-1.629
10000	4.633	-4.300	-3.967	-3.634	-3.300	-2.967	-2.634		-1.968	٠
15000	-4.643	-4.310	-3.977	-3.644	-3.310	-2.977	•64	-2 311	٠	
80000	-4.653	-4.319	-3.986	-3,653	-3.320	-2.986	-2.653	-2,320	98	-1.654
85000	-4.661	-4.328	-3.995	-3.662	-3.328	-2.995	-2.662	2	66.	-1.663
00000	-4.670	-4.336	-4.003	29	-3.337	-3.003	-2.670	C)	-2.004	-1.671
00056	-4.678	-4.344	-4.011	-3.678	-3.344	-3.011	~	n	-2.011	-1.678
100000	-4.685	-4.352	-4.018	-3.685	-3,352	-3.018	-2.685	M	• 01	-1.686
125000	-4.717	-4.384	-4.051	-	•38	ı۸	-2.717	€0	-2.051	-1.718
150000	-4.744	-4.410	-4.077	-3.744	-3.410	-3.077	-2.744	-2 410	-2.077	-1.744

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ATOMIC SPECIES

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000 5.000 4 0000 -3.197 -3.212 3_000 -3.546 -3.578 -3.604 -3.674
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-3.8827
-3.885 -3.879 -3.911 -3.937 00 -4.545 -4.578 -4.604 -1 000 000 Ÿ W Q DER YABC

ATOMIC SPECIES : C	ø									
T DEG KZLOG PE	-2.000	-1.000	0000	000	2.000	000 m	4	0 0 0 0	000	0 0 0 IC
0.004	916.4-	1 4.00 E	-4.252	-3,919	-3.585	13 252	-2,919	12 586	-2.259	-1.926
	-4.025	005.4	-4.259	-3,925	-3.592	62.2.21	-2,925	269 21	-2.264	-1.932
0000	4.031	805.41	-4.265	-3,931	-3.598	13 265	-2.931	12 598	-2.268	-1,938
	-4-937	409471	-4.270	-3.937	-3.604	-3 271	-2.937	12 604	-2.271	-1.944
	-4-951	14.617	-4.284	-3.951	-3.618	13 284	-2,951	12 618	-2.285	-1.955
	-4.963	14.630	-4.297	-3.963	-3.630	13 297	-2.964	12 630	-2.297	-1.964
65000	-4.975	14.642	-4.308	-3.975	-3.642	808 21	-2.975	12 642	-2.309	-1.975
20002	-4.986	14.652	-4.319	-3.986	-3.652	918 21	-2.986	12 653	-2.319	-1.986
00000	-4.996	14.662	-4.329	-3,996	-3.662	13 329	-2.996	12 663	-2.329	-1.996
00008	-5.005	14.672	-4.338	-4.005	-3.672	828 21	-3.005	-2 672	-2.339	-2,005
8 5000	-5.014	14.680	-4.347	-4.014	-3.680	13,347	-3.014	12 681	-2.347	-2.014
00000	-5.022	14.689	-4.355	-4.022	-3.689	SSE E1	-3.022	689	-2,356	-2.022
00000	-5.030	969.41	-4.363	-4.030	-3.696	£9£ £1	-3.030	12 697	-2,363	-2.030
000001	-5.037	14.704	-4.370	-4.037	-3.704	_3_371	-3.037	-2 704	-2.371	-2.038
	-5.069	14.736	-4.403	-4.069	-3.736	13 403	-3.069	12 736	-2.403	-2.070
150000	-5.096	-4.762	-4.429	-4.096	-3.762	±3∎429	-3.096	-2 763	-2.429	-2.096
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LPG OF THE DEPROSION OF THE COLLINGS

ATOMIC SPECIES : N										
T DEG <th>1.000</th> <th>1 0000</th> <th>0 0 • 0</th> <th>000</th> <th>2 000</th> <th>000 E</th> <th>4 000</th> <th>5.000</th> <th>0000</th> <th>7.000</th>	1.000	1 0000	0 0 • 0	000	2 000	000 E	4 000	5.000	0000	7.000
G G F	-3.001	-2.666	-2.308	***	**	***	***	***	***	* **
0	-3,036	2.71	2,35	å	-1.612	***	****		***	***
2000	-3.055	-2.722	8	(4	-	.27	**			***
0009	14.6	-2.748		-2.081	-1.748	11.409	****	***	***	*****
#000 <u>/</u>	13.107	10.70	12.450		1.790	11.456	: -		* * * * *	****
0008	1 17	10,801	n v	4 (1	-1.807	-1.473	-1.198			****
	, !!!	12.822	2.48	-2.157	-1.822	-1.489	-1.198	-0 388	-0.595	* **
000011	-3.170	-2.836	N	-2.170	-1,839	-1.533	-1.198		• 59	* * * * * *
12000	-3,182	-2.850	ò	-2.182	-1.849	-1.522	-1.198	-1 504	0	-0.152
13000	-3.193	-2.860	N	-2.193	-1.860	-1.529	-1.193	-1= 004	69.0	10.402
0000	-3.204	-2.871	S)	-2.206	-1.870	1.038	402.	400	2 0	10.40
0000	13.214	188	12.548	-2.215	1.894	-1.556	-1.224	-1 004	75	-0.402
	-3.232	-2.859	ıa	-2.232	-1.899	-1.569	-1.232	-1 004	75	-0.402
18000	3.240	-2.907	i (V	-2.241	-1.907	-1.575	-1.240	-1 004		-0.402
19000	-3.248	-2.915	-2,582	-2.248	-1.915	-1.582	-1.252	-1 004	-0.754	-0.402
20000	-3.255	-2.922	å	-2.256	-1.923	-1.589	-1.258	-1 304	-0 - 754 0 - 754	10.402
21000	1.4	-2.929	-2.596	-2.263	-1.930	-1.596	-1.264	-1 004	10.754	10.402
22000	177.1	12.935	-2.603	-2.270	-1.936	-1.603	-1.270	1 004	-0.754	10.400
23000	٠, ،	0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	v	0000	0 8 0	V - V 1	0 0 0	1100		-0-402
00048	13.67	1 1 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4	12.617	-2.288	-1.955	-1.621	-1.288	926 0-	-0.754	-0.402
00000	, .,	-2.953	-2.620	-2.293	-1.960	-1.627	-1.294	-0 961	-0.754	-0.405
27000		-2.959	-2.625	-2.296	-1.966	-1.633	-1.299		-0.754	-0.402
28000	-3.297	-2.964	-2.631	-2.297	-1.970	-1.638	-1.305		-0.754	-0.402
29000	1.3	-2.969	-2.636	-2.302	-1.974	-1.643	-1.310	861 1-		-0.402
#0000E	.,,	12.974	-2.640	2.307	-1,976	1.0047	-1.315		-0-754	404
32000	13.310	12.000	12.650	-2.316	11.000	-1-659	-1.332	-1 198	-0.754	-0.402
00000000000000000000000000000000000000		3000	o v	-2.334	-2.000	-1.657	-1.338	-1 198	-0.754	-0.402
00000 M	,,,,,	800.01	ıa	-2.341	-2.008	-1.675	1.341	-1= 198	-0.754	-0.402
00004	-3.349	-3.015	-2.682	-2.349	-2.015	-1.682	-1.349		-0.754	-0.405
42000	-3,356	-3.022	-2.689	-2.356	-2.022	-1.639	-1.356		-0.754	-0.402
00044	-3,362	-3.029	N.	-2.362	-2.029	-1.696	-1.363	-1 198	-0.754	10.402
00094	-3.369	-3.035	α	-2.309	12.030	201-1-	-1-375		988	10.400
00000	13.373	240.61	12.00	10.00	10.01	1.714	-1.381	-1.198		10.402
0000	-3.394	-3.061	-2.728	-2.395	-2.061	-1.728	-1.395	-1.1198		-0.595
000	-3.407	-3.074	-2.740	-2.407	-2.074	-1.741	-1.407		88	-0.595
65000=	-3.419	-3.085	a	-2.419	-2.085	-1.752	-1.419	-1 198	-0.888	-0.595
10000	-3.429	950.5-	-2.763	-2.459	-2.096	-1.763	-1.430		0.88	-0.595
15000	1.3	-3.106	Q		-2.106	-1.773	-1 - 440	-1 198	38	-0.595
80000	,,,,,	ו ניו	(A)	12.449	-2-115	-1.782	7 4 4 4	198	000	0.00
o	• •	ין קי	V I	-2.457	171.7	16/-11	964		9	10.505
0			Ņς	-2.400	12.132	-1.837	11.474		2	-0.595
0 6	13.47.4	13.140	12.807	12.413	12.148	1.814	4 8	-1 198	88	9
0 0	, P	ייי ר	0 a	ı ç	9 1 9	4		6	1.00	59
00000	13.539	13.206	12.873	12.01.0	-2.206	-1.873	• •	• ~		-0.595
3	•) !	•	•	i		•	•		

ATOMIC SPECIES : N 2

T DSG <th>000</th> <th>-1.000</th> <th>000 • 0</th> <th>1 000</th> <th>2.000</th> <th>0 0 0 8</th> <th>00 ?</th> <th>000 S</th> <th>000</th> <th>7.000</th>	000	-1.000	000 • 0	1 000	2.000	0 0 0 8	00 ?	000 S	000	7.000
0	9	-3.268	-2.966	***	***	***	***	***	****	***
0	0	-3,314	-2.949	-2.643	-2.302	*	****	**	***	* **
5000	-3.657	-3.324	-3.007	-2.684	-2,354	-1.978	***	**	***	* * * * * * * * * * * * * * * * * * * *
0	Ÿ	-3,350	-3.017	-2.684	-2.350	-2.011	***	***	***	* * * * * *
7000	7	-3.397	-3.039	-2.706	12/12	-2.038	-1.687	***	* * * * * * *	***
0		-3,393	-3.071	-2.725	-2.392	-2.058	-1.724	-1.320	**	* * * * * *
0		-3.40g	-3.077	Ç,	N	Q.	-1.742	1.40	*	***
0	7	-3.424	-3.091	-2.759		2.0	-1.757	4.2	-1.106	***
00	-3.772	-3.43B	-3.104	-2.772	-2.441	-2.105	-1.771	-1.438	-1.100	* ** * * *
12000	-	-3.452	-3.117	-2.784	-2.451	-2.124	-1.784	-1.451	-1.116	-0.754
0		-3.462	-3.130	-2.795	-2.462	2.1	-1.796	-1.461	-1.198	-0.888
00	8	-3.473	-3.140	-2.808	-2.472	2.14	-1.806	-1.472	• 19	-0.888
0	œ,	-3.483	-3.150	-2.817	-2.486	-2.149	-1.819	-1.483	-1.198	-0.888
8	Ø,	-3.492	-3.159	-2.826	-2.493	-2.159	-1.826	-1.492	-1.198	-0.888
00	ø	-3.501	-3.168	-2.834	-2.501	-2.171	-1.834	-1.507	-1:198	-0.888
0	ď.	-3.509	-3.176	-2.843	-2.509	-2.177	-1.842	-1.512	-1.198	-0.888
0	æ	-3.517	-3.184	-2.850	-2.517	-2.184	-1.854	-1.518	-1.198	-0.888
	æ	-3.524	-3.191	-2.858	-2 525	-2.191	-1.860	-1.525	-1.198	-0.888
0	ab.	-3.532	-3.198	-2,865	12 532	-2.198	-1.866	-1.532	-1.204	-0.888
0	œ	-3.538	-3.205	-2.872	-2,538	-2.205	-1.872	-1.545	.20	-0.888
0	œ	-3.546	-3.211	-2.878	-2.545	-2.211	-1.878	-1.547	-1.213	-1.004
0	Ø.	-3.551	-3.218	-2.884	-2.551	-2.218	-1.884	-1.552	-1.219	-1.004
25000	Ø,	-3,550	-3.226	-2.890	-2,557	-2.224	-1.890	-1.558	-1.226	-1.004
0	a)	-3,555	-3.230	-2.896	-2.562	-2.229	-1.896	-1.563	-1.233	-1.004
	ά	-3.561	-3.232	-2.903	-2,568	-2.235	-1.901	-1.568	-1.238	-1.004
0	ď	-3.566	-3.233	-2.909	-2.573	-2.240	-1.907	-1.574	-1.242	-1.004
29000	Ō.	-3.571	-3.238	-2.910	-2.579	-2.245	-1.912	-1.579	-1.247	-1.004
0	Ō.	-3.576	-3.243	-2.913	12,585	-2.250	-1.917	-1.583		-1.004
0	Ŏ,	-3.585	-3.252	-2.919	12.591	-2.250	-1.926	-1.593	-1.26	-1.004
0	Q.	-3.594	-3.261	-2.927	-2.596	-2.271	-1.935	-1.601		-1.004
	Q.	-3.602	-3.269	-2+936	-2,603	-2.274	-1.944	-1.610	-1.277	-1.004
0	Ō.	-3.610	-3.277	-2.943	-2.610	-2.279	-1.954	-1.618		-1.004
0	ŏ	-3.617	28	-2.951	-2.617	-2.285	-1.957	-1.625	-1.29	-1.004
0	Ō.	-3.624	-3.291	-2,958	-2.625	-2.292	-1.961	-1.634		-1.004
0	ď.	-3.631	-3.298	-2.965	-2.631	-2.298	-1.967	-1.640		-1.004
•	Ō.	-3.638	-3.304	-2.971	-2.638	-2.304	-1.972	-1.644	-1.313	1:00
0	On.	-3.644	-3.310	-2.977	12.644	-2.310	-1.978	-1.548	-1.320	-1.004
00000	ς.	-3.650	-3.316	-2.983	-2.650	-2.316	586.1	-1.652	-1.327	-1.004
0	-3.997	177	-3.330	-2.997	-2.663	-2,330	-1.997	-1.564	33	-1.106
0	ô	IT)	3	-3.009	-2.676	-2,343	-5.009	•	-1.345	-1.106
0	120.4-	m)	-3,354	-3.021	-2.687	-2.354	-2,021	-1.688	-1,355	-1.106
0	-4.031	۳)	-3.365	-3.031	-2.698	-2.355	-2.032	-1.698	-1.366	-1.106
n	-4.041	E)	-3,375	-3.041	-2.708	-2,375	-2.042	-1.708	-1,375	-1.106
0	-4.051	7.1	•	-3.051	-2.717	-2.384	-2.051	• 71	• 38	-1.106
0	-4.059	-3.726	-3,393	-3.059	-2.726	,	90.	-1.726	-1,393	-1.106
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125000,	-4.115	œ	4.	₹	12,782	44.	.	٠	4	-1.198
စ္စ	-4-141	-3,808	-3.475	-3.142	-2.08	-2.475	-2.142	-1.808	-1.475	-1.198

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7.■00 -1.512 -1.527 -1.546 -1.511 -1.528 -1.536 -1.543 -1.453 -1.556 -1.560 -1.565 -1.571 -1.578 -1.585 -1.590 -1.594 -1.599 -1.603 -1.621 -1.629 -1.637 -1.679 -1.708 -1.728 -1.737 -1.746 -1.754 -1.769 -1.801 -1.827 0.000.9 -1.644 *** -1.658 -1.665 -1.672 -1.697 -1.864 -1.870 -1.877 -1.885 -1.905 -1.910 -1.915 -1.921 -1.926 -1.936 -1.996 -2.000 -2.004 -2.017 -1.945 -1.978 -2.070 5.000 2.095 -1.899 -1.962 -1.970 -1.993 -2.040 -2.029 -2.051 -2.061 -2.195 -2.206 -2.212 -2.218 -2.224 -2.231 -2.420 4.000 -2.736 -2.745 -2.753 -2.450 -2.470 -2.500 -2.479 -2.476 -2.492 -2.501 -2.511 -2.529 -2.537 -2.537 -2.551 -2.557 -2.570 -2.576 -2.581 3.000 -2.769 -2.801 -2.827 -3.060 -3.070 -3.078 -3.087 -3.094 2.000 -3.135 -3.105 -3.110 -3.124 -3.136 -3.147 -3.160 -3.169 -3.178 -3.280 -3.288 -3.296 -3.303 -3.310 -3,323 -3,329 -3,349 -3,349 -3.373 -3.394 -3,420 000 -3.467 -3,412 -3,435 -3,359 -3,442 -3,42 -3.4443 -3.4569 -3.4682 -3.498 -3.511 -3.528 -3.528 -3.536 -3.550 -3.557 -3.768 -3.801 -3.827 -3.727 -3.753 000 0 - 4.707 - 4.745 - 4.749 - 4.744 -W.96Z -3.983 -3.990 -3.996 -4.002 -4.040 -4.050 -4.060 -4.069 -4.102 -4.134 -4.160 -4.086 -4.028 1.000 -4.015 -4.295 -4.310 -4.323 -4.329 -4.335 -4.349 -4.373 -2.000 -4.393 P. DSG K/LOG 50000

-1.498 -1.499 -1.501 -1.499 -1.455 -1.469 -1.501 -1.500 -1.500 -1.510 -1.515 -1.523 -1.528 -1.621 -1.629 -1.637 -1.646 -1.654 +1.671 -1.678 -1.686 7.000 -1.663 -1.702 -1.730 -1.751 -1.761 -1.777 -1.796 -1.804 -1.799 -2.004 -2.011 -2.019 -2.051 -1.977 -1.995 -1.968 000.9 ***** -1.911 -2.043 -2.115 -2.114 -2.106 -2.061 -2.077 -2.094 -2.105 -2.103 -2.112 -2.228 -2.236 -2.242 -2.20.4 -2.250 -2.254 -2.279 -2.337 -2.345 5.000 -2.220 -2.246 -2,320 -2.301 -2,31.1 -2.410 -2.332 -2.362 -2.382 -2.400 -2.423 -2.426 -2.414 -2.408 -2.418 -2.509 -2.514 -2.519 -2.498 -2.556 -2.559 -2.564 -2.644 -2.537 -2.586 -2.662 -2.678 4.000 -2.492 -2.580 -2.569 -2,574 -2.612 -2,623 -2.634 -2 677 -2 700 -2 720 -2 720 -2 750 -2 750 12 881 12 887 12 894 -2956 -2956 -2957 -2995 -3995 3 000 -2"742 -2"752 -2 826 -2 831 2=731 -2=820 -3.252 2.000 -3.344 -3.352 -3.384 -3.278 -3.410 -3.678 1.000 -3.717 -3#611 -3.652 -3.653 -3.653 -3.767 -3.721 -3.731 -3.752 -3.752 -3.778 -3.786 -3.793 -3.807 -3.814 -3.841 -3.845 -3.854 -3.854 -3.863 -3.879 -3.886 -3.893 -3.900 -3.906 -3.945 -3.828 -3.834 -3.918 -3.967 -3.977 -3.986 -3.995 -4.011 -4.018 -4.051 -0.000 -3.832 -3.770 -3.912 -4.003 -4.077 -3.999 -3.994 -4.011 -4.053 -4.075 -4.111 -4.119 -4.127 -4.134 -4.227 -4.240 -4.246 -4.252 -4.278 -4.300 -4.310 -4.328 -4.344 -4.352 -4.384 -1.000 -4.027 -4.094 -4.410 -4.042 -4.103 -4.336 -4.635 -4.717 -4.744 -2.000 -4.670 -4.661 n H DSG KALDG

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7. 000	* * * * * *	-1.455	-1.601	-1.620	-1.635	-1.649	-1.663	-1.679	-1.695	-1.698	-1.694	-1.692	-1.692	-1.693	-1,695	-1.693	-1.699	-1.704	-1.709	-1,713	-1.722	-1.731	-1, 739	-1.747	-1.754	-1,761	-1.768	-1.775	-1.781	-1.787	-1.798	-1.815	-1.822	-1.831	-1.839	-1.848	-1.857	-1.865	-1.872	-1.880	-1.912	-1.938
000	-1.924	-1.944	-1.955	. 97	• 98	-2.006	-1.997	66	-1.993	66	-1.995	-2.002	-2.009	-2.015	-2.021	-2.025	-2.031	-2.036	-2.041	-2.046	-2.055	-2.064	-2.072	-2.080	-2.088	-2.095	-2.102	-2.108	-2.116	-2.122	-2.131	-2.141	-2.151	-2.162	-2.171	-2.181	-2.189	-2.197	20	-2.213	• 24	-2.271
0000	-2.271	-2.288	-2,309	-2.308	-2.300	•	-2.297	-2.306	-2.314	-2.322	-2,329	-2.334		-2.347	-2,353	-2,358	-2,364	-2.359	-2.374	-2.379	-2,388	-2.397	-2.406	-2.414	-2.421	-2.430	-2.436	-2.440	-2.444	-2.448	-2.460	-2.472	-2.484	-2.494	-2.504	-2.514	-2.522	-2.531	-2.538	54	-2.578	-2.604
0 0 0	-2.616	-2.619	-2.608	-2.602	-2.612	-2.622	-2.631	-2.640	-2.646	-2.654	-2.661	-2.668	-2.674	-2.680	-2.685	-2.692	-2.697	-2.702	-2.707	-2.712	-2.722	-2.731	-2.740	-2.750	-2.753	-2.757	-2.762	-2.768	-2.774	-2.779	-2.793	-2.805	-2.817	-2.828	-2.838	-2.847	-2.855		-2.872	-2.879	-2.911	-2.937
000 m	-2.922	-2,913	-2,925	-2.936	-2.946	-2.956	-2.964	-2.972	-2.980	-2,987	-2,994	-3.001	-3.007	-3.013	-3.019	-3.025	-3.030	-3,036	-3.041	-3.046	-3.056	-3.067	-3.070	-3.075	-3.081	-3.088	-3.094	-3,100	-3.137	-3.112	-3,126	-3.139	-3.150	-3:151	-3,171	-3.180	-3.189	-3,197	-3.205	-3.212	-3.244	-3.271
0 0 0	-3.234	-3.247	-3.258	-3.270	-3.279	-3.288	-3.297	-3.305	-3,313	-3.320	-3,327	-3.334	-3.341	-3.347	-3,353	-3,358	-3.363	-3.369	-3,375	-3.381	-3.387	-3.392	668.6-	-3.406	-3.414	-3.421	-3.427	-3.434	-3.440	-3.446	-3.459	-3.472	-3.483	-3.494	-3.504	-3.513	-3.522	-3.530	-3.538	-3.546	-3.578	-3.604
0000	-3.567	-3.580	-3.593	-3.602	-3.612	-3.621	-3.630	-3.639	-3.646	-3.654	-3.661	-3.667	-3.674	-3.680	-3.686	-3.692	-3.699	-3.705	-3.706	-3.708	-3,715	-3.724	-3,732	-3.739	-3.747	-3.754	-3.760	-3.767	-3.773	-3.779	-3.793	-3.805	-3.817	-3.827	-3.837	-3.847	-3.855	-3.864	-3.871	-3.879	-3.911	-3.937
0 0 0 0 1	-3.901	-3,915	-3,925	-3.935	-3.945	-3,955	-3.964	-3.972	-3.980	-3.987	-3.994	-4.001	-4.007	-4.014	-4.021	-4.026	-4.027	-4.030	-4.034	-4.039	-4.048	-4.057	-4.065	-4.073	-4.080	-4.087	-4.094	-4.100	-4.106	-4.112	-4.126	-4.138	-4.150	-4.161	-4.171	-4.180	-4.189	-4.197	-4.205	-4.212	-4.244	-4.271
0000	-4.236	-4.247	-4.258	-4.269	-4.279	-4.288	-4.297	-4.305	-4.313	-4.320	-4.327	-4,333	-4.342	-4.347	-4.349	-4.353	-4.357	-4.362	-4.367	-4.372	-4.381	-4.390	-4.398	-4.406	-4.413	-4.420	-4.427	-4.433	-4.440	-4.445	-4.459	-4.472	-4.483	-4.494	-4.504	-4.513	-4.522	-4.530	-4.538	-4.545	-4.578	-4.604
000	-4.567	-4.580	169.4-	-4.602	-4.612	-4.621	-4.630	-4.638	-4.646	-4.653	-4.662	-4.669	0.40-	-4.674	-4.679	-4.685	-4.690	-4.695	-4.700	-4.705	-4.714	-4.723	-4.731	-4.739	-4.747	-4.754	-4.760	-4.767	-4.773	64.179	-4.792	-4.805	-4.817	-4.827	-4.837	-4.847	-4.855	-4.864	-4.871	-4.879	-4.911	-4.937
T DEG K/LDG PS	11000		0	14000	15000	16000	17000	18000	19000	20000	21000	22000	23000	24000	25000	26000	27000	28000	29000	30000	32000	34000	36000	38000	40000	42000	44000	46000	48000	20000	55000	00009	65000	70000	75000	800008	850004	00006	00 PS 6	0	125000	150000

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32000	-4.873	4	-4.206	-3.873	•54	2	-2.880	.54	-2.214	
34000	-4.881	-4.548	-4.215	-3.882		3	•	-2,555	•	-1 889
36000	-4.890	-4.556	-4.223	-3.890	75⊑ m-	N	-2,895	-2.564	-2.230	-1 897
38000	-4.898	-4.564	-4.231	689	-	<u>8</u>		-2.571		-1 905
00004	-4.905	-4.572	-4.238	-3.905	•	3	-2.905	iO		-1 912
42000	-4.912	-4.579	-4.245		-3.579	N		ď	-2.252	-1 919
44000	-4.919	-4.585	-4.252	-3.919	-3.586	-3 2 2	-2.921	-2.586	-2.259	-1 926
46000	-4.925	-4.592	-4.259	-3.925	-3.592	N	-2.926	-2.592	-2.264	-1 932
48000	-4.931	-4.55B	-4.265	-3.931	3,59	3 2	N.	-2.602	•	-1 938
20000	-4.937	40904	ď	-3.937	3.60	3	-2.938	-2,606	۰	-1 944
55000	-4.951	-4.618	-4.284	-3,951	-3.618	e M	-2,951	-2,619		-1 955
■ 00009	-4.963	-4.630	-4.297		-3.630	3	• 96	-2.631		-1 973
■ 000 <u>5</u> 9	-4.975	-4.642	-4.308	26.	-3,642	m	-2,975	-2.642	-2.310	-1 981
20000	-4.986	-4.652	-4.319	-3.986	-3,653	E 33	-2,986	-2,653	•	-1 989
75000	966.4-	-4.662	-4.329	-3,996	-3,662	m	-2,996	-2.663	-2,330	-1 998
80,000	-5.005	-4.672	-4.338	-4.005	-3.672	m	-3.005	-2.672	-2.339	-2 006
85000	-5.014	-4.680	-4.347	-4.014	-3,680	3		-2.681		-2 015
■00006	-5.022	-4.689	-4.355	-4.022	-3,689	3	-3.022	-2.689	-2,356	-2 023
00056	-5.030	-4.696	-4.363	-4.030	69.	H 3 3	0	-2.697	36	-2 031
1 00000	-5.037	-4.704	-4.371	-4.037	°70	m	.03	20	937	_
125000	-5.069	13	-4.403	-4.069	13	4 10	0	-2.736		-2 070
150000	-5.096	-4.762	-4.429	-4.096	-3.762	-3.4.9	-3*096	-2.763	-2.429	\sim
ATOMIC SPECIES : N	2									
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00009	-5.097	-4.764	-4.431	260 *-	-3.764	-3.431	86 m	-2 764	-2.431	-2.098
65000	-5.109	-4.775	-4.445	0 100	ι.	3.44	m 1	-2 776	CH :	-2.109
10000	-5.120	-4.786	-4.453	120	-3.786	•	-	-2 787	(A	
75000	-5,129	-4.756	-4.463	130	-3.796	-3.463	٠.	-2 796	CI.	
80000	-5.139	-4.805	-4.472	- 139	80		-	12 806	-2.473	
85000	-5.147	-4.814	-4.481	* 148	Ø,	€.		5 8 2 1 2 8 1 52	Ç.	
00006	-5.156	-4.822	-4.489	-* 156	•	4	1	E 823	-2,490	
	-5.164	-4.830	-4.497	-* 164	-3,830	-3.497	7	12 830	-2.497	-2,164
100000	-5.171	-4.838	-4.504	-* 171	.83	ຸເດ	1	12 838	-2,505	
125000	-5.203	8.	ເນື	*	~	3.53	7	-2870	Ω.	-2.204
150000	-5.230	-4.896	-4.563	23	-3.896	-3.563	7	968 21	-2.563	

LOG OF THE DEPRESBION OF THE CONTINIUM

PTGMIC SMECIES :

12.000	200-11		•						
9	1	12,308	***	***	**	***	****	***	****
. 0	1	N	-2.021	-1.612	***	***	***	**	***
•	1	-2.404	-2.055	-1.719	-1.272	**	**	***	* **
M	1	N.	-2.081	-1.748	-1.409	***	***	**	**
	1	N	+Z-104	011-1-	004-1-	961-1-	* 6 6		
	3 -2.791	12.469 20.469	-2.123	-1.790	11.450	100	220.01	***	* *****
7 -	1	1 0	-2.157	-1.822	-1.489	-1.198	-0.888 -0-	-0 - 595	****
9	1	-2.502	-2.170	-1.839	-1.503	-1.198	-0.888	-0.595	* * * * * *
_	1	-2.515	-2.182	-1.849	-1.522	-1.198	-0.888	-0.595	-0.152
-3.19	3 -2.860	-2.528	-2.193	-1.860	-1.529	-1.198	-1.004	-0.595	-0.402
Ŋ	I	-2.538	-2.206	-1.870	-1.538	-1.204	-1.004	-0 - 754	-0.402
e M	!	12.548	-2.215	1.884	-1.547	-1.217	4004	10 10 10	10400
יי מיני	2.890	72.006	4 C C C C C C C C C C C C C C C C C C C	11.000	11.000	CEC . [=	400-11	45.4.0-	-0-402
vυ	1 1	-2.574	-2.241	-1.907	-1-575	-1.240	-1.004	-0-754	-0.402
יו ני	1	12.582	-2.248	-1.915	-1.532	-1,252	-1.004	-0-754	-0.402
) W	,	-2.589	-2.256	-1.923	-1.589	-1.258	-1.004	-0-754	-0.402
6	'	-2.596	-2.263	-1.930	-1.596	-1.264	-1.004	-0-754	-0.402
ď	'	-2.603	-2.270	-1.936	-1:603	-1.270	-1.004	-0-754	-0.402
ů	i	-2.609	-2.276	-1.943	-1.609	-1.276	-1.004	-0.754	-0.402
200	1	S	-2.282	-1.949	-1.616	-1.282	-1.004	-0 - 754	-0.402
ď	,	-2.617	-2.288	-1.955	-1.621	-1 •288	-1.004	10.00	10.402
ď.	1	12.620	-2.293	11.960	1.527	-1.294	4004	10.7.54	0.4 0.0 I
200		12.631	7067-6-	-1.970	-1.638	-1 - 305	400	-0.75	-0.402
m	,	-2.636	-2.302	-1.974	-1.643	-1.310	-1.106	-0-754	-0.402
'n		-2.640	-2.307	-1.976	-1.648	-1.315	-1.106	-0.75	-0.402
Ŋ		-2.650	-2.317	-1.983	-1.655	-1.324	-1.106	-0-75	-0.595
m		-2.659	-2,325	-1.992	-1.659	-1.333	-1.106	-0.754	-0.595
ඩ ස		-2.667	-2.334	-2.000	-1.657	1.342	-1.106	10.0	10.09U
ית קי		72.0(5	14.541	12.000	11.00.0	11.300	-1-106	40.40	-0.595
3 14		2006	-2-356	12.022	-1.689	1.356	-1,106	-0 • 754	-0.595
ה ה	-3.029	-2.696	-2.362	-2.029	-1.696	-1.363	-1.106	-0 • 8.83	-0.595
3,3		-2.702	-2.369	-2.036	-1.702	-1.369	-1.106	-0 • 883	-0.595
m		-2.708	-2.375	-2.042	-1.708	-1.375	-1.106	-0 • 8:83	-0.595
-3,38		-2.714	-2.381	-2.048	-1.714	-1,381	-1.106	-0.883	-0.595
į,		-2.728	-2.395	-2.061	-1.728	-1.395	-1.106	-0-883	0.00
4		-2.740	-2.407	-2.074	-1.741	-1.407	-1.106	-0.883	10.5955 FOR
3.4		-2.752	-2.419	-2.085	-1.752	-1.419	861.1-	0000	0.00
W 1	1	-2.763	72.479	960.21	-1.603	200	000	0000	0.60
ω ι 4 κ		12.763	10.44.5V	12.00 E	11.782	444	11.198	0 0 0 0	-0.595
יו לי	! .	707.0	F 4 4 6 6 1	2 C	107	9	801	68.0	10.505
13.45	13,130	-2.799	10.407	10.104	11.790	1.466	-1-198	-0-883	-0.595
) W	3		-2-473	2.14	-1.807	-1.474	-1.198	-0.883	-0.595
4	1 -3.147	1 0		i Q	-1.814	-1.481	-1.198	-0-883	-0.595
5.1		-2.846	-2.513	-2.180	-1.846	-1.513	-1.198	-0.883	-0.595

7.000 -1.106 -1.198 -1.198 -1.366 -1.375 -1.385 -1.39 m -1.401 000 ø -1.593 -1.601 -1.610 -1.618 -1.540 -1.644 -1.648 -1.652 -1.424 -1.438 -1.451 -1.461 -1.699 -1.708 -1.726 -1.726 -1.735 -1.483 -1.492 -1.634 -1.472 -1.676 -1.638 -2.011 -2.038 -2.038 -2.053 -2.053 -2.135 -2.135 ****** ****** -2.140 -2.159 -2.171 -2.177 -2.184 1.22.3343 1.22.3343 1.22.3355 1.22.3355 1.22.3384 1.22.3384 -2.409 -2.416 -2.449 3.000 -2.354 -2.350 -2.350 -2.350 -2.350 -2.350 -2.409 -4.24 -4.24 -2.451 -2.486 -2.493 -2.501 -2.509 -2.525 -2.532 -2.538 -2.545 -2.551 -2.557 -2.568 -2.568 -2.573 -2.579 -2.585 -2.585 -2.596 -2.631 -2.638 -2.663 -2.676 -2.687 -2,610 2.000 -2,625 -2.650 -2.958 -2.965 -2.971 -2.997 -3.009 -3.021 -3.115 -3.076 -3.031 -3.041 -3.051 1.000 -2,983 -3.059 -3.0.68 -3.017 -3.039 -3.071 -3.077 -3.091 -3.140 -3.150 -3.159 -3.168 -3.176 -3.191 -3.291 -3.298 -3.304 -3,365 -3,375 -3,384 -3.117 -3.330 -3.342 -3.354 -3.448 000.0-3.409 -3,316 3,393 3.401 -3.416 -3.452 -3.624 -3.631 -3.638 -3.644 -1.000. -3.750 -3.782 -3.868 1.3.850 1.3.858 1.3.866 1.3.873 1.3.873 13.883 13.889 13.899 13.909 13.918 13.918 -3.935 -3.943 -3.951 -3.958 -3.964 -3.971 -3.983 -3.997 -4.009 -4.021 -4.031 -4.059 -4.068 -4.075 -2.000 -4.083 -4.115 -4.141 -4.051 ם DEG K/LOG

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LOG OF THE DEPRESSION OF THE CONTINIUM

7•000	********* ********* ******** *******	-1.494
000	****** ****** ****** ****** ****** ****	801 827
5.000		-2.134
4	** ** ** ** ** ** ** ** ** **	-2.467
0 0 m	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-2.801 -2.827
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-1.469 -1.485 -1.501 -1.498 -1.504 -1.499 -1.505 -1.581 -1.605 -1.629 -1.637 -1.646 -1.654 -1.730 -1.804 -1.799 -1.799 -1.849 -1.853 -1.871 -1.871 -1.886 -1.894 -1.901 -1.929 -1.947 -1.957 -1.958 -1.968 -1.815 -1.831 -1.915 -1.995 -1.801 -1.808 -1.844 -1.908 -1.827 -1.987 -2.220 -2.228 -2.236 -2.242 -2.246 -2.250 -2.094 -2.106 -2.279 -2.352 -2.384 -2.410 5.000 -2.115 -2,114 -2.204 -2.212 -2.254 -2.061 -2.290 -2,301 -2.311 -2.320 -2,329 -2.400 -2.423 -2.426 -2.414 -2.480 -2.498 -2.503 -2.428 -2.717 -2.460 -2.514 -2.556 -2.599 -2.418 -2.446 -2.474 -2.453 -2.519 -2.528 -2.537 -2.574 -2.580 -2.487 -2.546 -2.564 -2.569 -2.612 -2.623 -2.634 -2.644 -2.653 -2.662 -2.670 -2.678 -2.793 -2.800 -2.807 -2.814 -2.919 -2.932 -2.945 -2.986 -2.995 -3.003 -2.742 -2.773 -2.778 -2.900 -2.907 -2.956 -2.967 -3.018 -3.051 -3.077 -2.820 -3.011 -3.037 -3.064 -3.040 -3.053 -3.1119 -3.165 -3.175 -3.205 -3.252 -3.266 -3.278 -3,319 -3,328 -3,336 -3.094 -3.140 -3.193 -3.233 -3.310 -3,352 -3,384 -3,410 2.000 -3.065 -3.076 -3.085 -3,159 -3.198 -3.220 -3.153 -3.227 -3.246 -3,290 -3.344 13.385 13.355 13.374 13.386 -3.492 -3.498 -3.505 -3.511 -3.512 -3.515 -3.522 -3.408 -3.538 -3.546 -3.553 -3.560 -3.567 -3.573 -3.585 -3.599 -3.611 -3.428 -3.445 -3.460 -3.474 -3.623 -3.633 -3.643 -3.653 -3.662 -3.670 -3.685 -3.717 -3.744 -3.486 -3,579 -3.678 -3.832 -3.832 -3.834 -3.918 -3.932 -3.945 -3.678 -3.693 -3.707 -3.721 -3.731 -3.752 -3.761 -3.778 -3.814 -3.837 -3.845 -3.854 -3.863 -3.900 -3.967 -3.986 -4.018 -4.051 -4.077 00000--3.793 -3.800 -3.879 -3.886 -3,893 -3.912 -3.956 -4.003 -3.871 -4.011 -4.027 -4.042 -4.075 -4.094 -4.103 -4.111 -4.127 -4.204 -4.227 -4.233 -4.240 -4.252 -4.252 -4.265 -4.300 -4.319 -4.352 -4.384 -4.384 -1.000 -4.085 -4.219 -4.289 -4.053 -4.064 -4.560 -4.567 -4.573 -4.579 -4.585 -4.633 -4.653 -4.661 -4.685 -4.717 -4.744 -2.000 -4.553 -4.623 -4.670 -4.677 -4.611 4 0 Hd. ATOMIC SPECIES DEG K/LDG 26000 . 28000 . 29000 . 30000 . 34000 . 9000. 10000. 11000. 18000. 21000. 24000. 36000. 40000. 42000. 44000. 48000. 50000. 55000. 75000. 80000. 85000. 106000. 2000. 3000. 5000. 65000 00006 95000 +

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-1.698 -1.694 -1.692 -1.692 -1.693 -1.699 -1.704 -1.709 -1.713 -1.722 -1.731 -1.754 -1.754 -1.761 -1.775 -1.693 -1.912 7.000 -11.9933 -11.9955 -12.002 -2.009 -2.009 -2.131 -2.141 -2.151 -2.171 -2.171 -2.197 -2.205 -2.213 -2.245 -2.245 5.000 -2.793 -2.805 -2.817 -2.828 -2.828 -2.847 -2.856 00004 -2.872 -3 171 -3 180 -3 189 13 212 13 212 13 244 13 271 13■088 -3.247 -3.258 -3.270 -3,483 Z.000 -3.440 -3.472 -3.504 -3.513 -3.530 -3.578 -3.459 -3.494 -3.522 -3.580 -3.593 -3.602 -3.612 -3.621 -3.630 -3.639 -3.646 -3.654 - 3 . 666 - 3 . 668 - 3 . 668 - 3 . 668 - 3 . 668 - 3 . 668 - 3 . 705 - 3 . 725 -3,837 -3.855 -3.864 -3.871 000 -3.827 13.9945 13.9945 13.9964 13.9980 13.994 -4.007 -4.012 -4.026 -4.027 -4.030 -4.039 -4.039 -4.039 -4.039 -4.073 -4.080 -4.094 -4.100 -4.1126 -4.1126 -4.138 -4.150 -4.171 -4.189 000.0--4.205 -4.212 -4.247 -4.258 -4.269 -4.279 -4.288 -4.297 -4.305 -4,342 -4,347 -4.362 -4.367 -4.372 -4,320 -4.381 -4.390 -4.398 -4.406 -4.459 14.504 14.533 14.532 -4.353 000 · M -4,313 -4.349 -4,357 -4.440 -4.433 -4.445 -4.494 -4.420 -4.427 -4.483 -4.538 -4.545 -4.604 -4°653 -4°658 -4°669 000 580 591 602 612 621 630 630 -4.827 -4.847 -4.855 -4.863 .670 .670 -4.646 -4.817 ď w a K/Lon

-1.854 -1.856 -1.850 -1.850 -1.854 -1.851 -1.857 -1,926 -1,932 -1,944 -1,955 -2.006 -2.015 -2.023 7.000 -1.964 -1.989 -1,998 -1.981 -2.299 -2.310 -2.320 -2.330 -2.339 -2.348 -2.356 000 -2.457 -2.455 -2.464 21-2-4-4-72 -2-4-4-80 -2-4-93 -2-4-93 5_000 -2.642 -2.663 -2.672 -2.681 -2.697 -2.704 -2.736 -2.763 -2.689 -2.631 -2.895 -2.898 -2.905 -2.925 -2.932 -2.938 -2.964 -2.975 -2.995 -3.005 -3.014 -3.022 -3.030 -3.037 -3.070 -2.919 -3.115 -3.122 -3.130 -3.138 -3.145 -3.153 -3.159 -3.172 -3.183 -3.189 -3.194 -3.199 -3.204 -3.211 -3.215 -3.215 -3.233 -3.238 -3.238 -3.265 -3.297 -3.338 3 000 -3,363 -3,259 -3.284 -3.319 -3.447 -3.455 -3.464 -3.471 -3.479 -3.486 -3.493 -3.499 -3.517 -3.522 -3.527 -3.530 -3.530 -3.540 -3.548 -3.505 -3.557 -3.564 -3.572 -3.579 -3.598 -3.662 -3.704 -3.736 -3.762 -3.630 -3.592 -3.618 -3.642 -3.653 -3.680 -3.689 -3.780 -3.789 -3.805 -3.812 -3.819 -3.826 -3.838 -3.925 -3.931 -3.937 -3.964 -3,986 -4.005 -4.030 -4.037 -4.069 000 -3,919 -4.022 -3,951 -4.252 -4.259 -4.265 -4.297 -4.308 -4.319 -4,338 4.363 4.403 4.429 -4:238 00000 -4.245 4.355 -4.284 -4.471 -4.486 -4.486 -4.504 -4.509 -4.515 -4.520 -4.525 -4.530 -4.486 -4.548 -4.564 -4.585 -4.592 -4.630 -4.642 -4.652 000 -4.539 -4.579 -4.680 -4.704 -4.704 -4.736 -4.455 -4.498 -4.598 -4.618 -4.604 -4.662 -4.689 -4.963 -4.975 -4.986 -4.996 -5.030 -5.037 -5.069 -5.096 -4.951 -5.005 12.000 I -5.022 ŭ. OEG </LOG 95000 125000 150000

-2.066 -2.072 -2.078 -2.255 -2.264 -2.272 -2.280 -2.287 -2.320 7.000 7.000 -2.393 -2.398 -2.402 -2.405 -2.589 -2.605 -2.605 -2.613 -2.621 -2.653 000*9 000.9 -2.726 -2.736 -2.738 -2.752 -2.752 -2.754 -2.823 -2.831 -2.838 -2.870 -2.896 -2.797 -2,922 -2,930 -2,939 -2.946 -2.954 -2.986 -3.012 5.000 5.000 -3.148 -3.156 -3.171 -3.203 -3.255 -3.264 -3.272 -3.280 -3.287 -3.319 4.000 4.000 -3 588 -3 597 -3 605 -3 613 -3 653 -3 653 000 m 000 m -3.726 -3.732 -3.738 -3.752 -3.764 -3.776 -3.786 -3.838 -3.870 -3.896 -3.922 -3.930 -3.939 -3.946 -3.954 -3.986 -4.012 -3.796 -3.814 2.000 -3.719 -3.830 2.000 1 000 -4.255 -4.264 -4.280 -4.287 -4.319 -4.319 1.000 14.392 14.504 14.537 14.563 -4.597 -4.605 -4.613 -4.620 -4.620 -4.620 164.431 -4.463 14.481 000°0I 14.453 -4.489 14.418 14.442 -4.472 -0.000 260.0--4.732 -4.732 -4.738 -4.751 -4.830 -4.838 -4.870 -4.921 -4.930 -4.938 -4.814 -4.586 -1.000 -4.776 -4.786 -4.796 -4.805 1.000 -4.764 -4.946 -4.954 -5.059 -5.065 -5.071 -5.255 -5.253 -5.272 -5.280 -5.319 -5.097 -2.000 -5.085 -2.000 Ø 0 0 w a ä •• •• ATOMIC SPECIES DEG K/LOG DSG K/LOG ATOMIC SPECIES 85000 85000 95000 95000 10000 1125000

DEG K/LOG PE	-2.000	11.000	000.0-	1.000	2.000	3.000	4 • 000	5.000	0	000
3000	-3.001	-2.666	-2.308	*	*	***	***	***	***	***
4000	-3.036	-2.712	å	2.05	-1.612	**	***	**	***	***
5000	-3,055	-2.722	-2.404	0	-1.719	-	**	**	***	**
•0009	-3.082	-2.748		0 8	-1.748	7	***	***	***	* * * * * * * * * * * * * * * * * * * *
• 0002	-3.107	12.75	O, I	O) (-1.770	┯ ,	-1.198	*. (**************************************	***
8000	-3,123	-2.791	N I	2.1	-1.790	-1.456	-1.198	80 1	***	*****
• 0006	-3.140	-2.807	-2.475	2.	-	-1.473		~ (****	* * * * * * * *
10000	-3.155	-2.822	ູ້. ເ	-2.157	11.822	1 . 480	1.198	888.0-	\$07 E0-	****
11000.	-3.169	-2.836	N	N	658.1-	11.503	261.1-	40041-	# C F = O	* * * * * * * * * * * * * * * * * * * *
12000.	-3.182	-2.850	-2.515	-2.182	-1.849		1.198	9 6	#G/ =0-	10.152
13000.	-3,193	-2.860	-2.528	-2.193	-1.860	-1.529	-1.198	-1.004	-0=888	-0.40Z
14000	-3.204	-2.871	-2.538	-2.206	-1.870	-1.538	-1.204	0	-0=888	10.402
15000.	-3.214	-2.881	12.548	-2.215	-1.884	-1.547	1.217	4000	10 x x x x x x x x x x x x x x x x x x x	4 4
100001	-3.223	068.21	70007	10.00	160.11	000-1-	-,	1 0	0000	
0000	2000	7 N C	-2.574	-2.241	700-1-	1.575	1000	40041	-0=888	100
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00000	0 to to to	0000	-2.589	-2.256	-1.923	1.539	-1.258	1.004	-0-888	4.01
21000.	-3.261	-2.929	-2.596	-2,263	-1.930	-1.596	-1.264	7	-0-888	Z04 0-
22000	-3.262	-2.935	-2.603	-2.270	-1.936	-1.603	-1.270	-1.004	-0 888	0 4 O
23000	-3.269	-2.938	-2.609	-2.276	-1.943	-1.639	-1.276	-1.004	-0 888	Z04 0-
24000	-3.275	-2.942	-2.614	-2.282	-1.949	-1.616	-1.282	-1.004	-0 888	Z00 0-
25000.	-3.281	-2.948	-2.617	-2.288	-1.955	-1.621	-1.288	-1:004		Z0 # 0
26000.	-3.286	-2.953	-2.620	-2.293	-1.960	-1.627	-1.294	-1.004	0	Z04 0-
27000.	-3.292	-2.959	-2,625	-2.296	-1.966	-1.633	-1.299	-1.004	0	-0.402
28000.	-3.297	-2.964	-2.631	-2.297	-1.970	-1.638	-1.305	-1.106	۰	-0.402
29000	-3,302	-2.969	-2.636	-2.302	-1.974	-1.643	-1.310	-1.106	88 0	2000
30000	-3.307	-2.974	-2.640	-2.307	-1.976	-1.647	-1,314		v,	0 4 6
32000.	-3.316	-2.983	-2.650	-2,317	-1.983	-1.655	-1.324	-1.106	•	0 4 0 0 0 0 0
34000.	-3.325	-2.992	-2.659	-2,325	-1.992	-1.659	-1.332	-1:106	888 0-	0
36000	-3,333	0000-	-2.667	12,334	-2.000	79901-	-1.338	-1.100	0000	0 0
38000	-3.341	8000	270.2	140.04	2000	010.1.	1450	901.1	000	
40000 40000	16.349 PAR	0000 I	78097	のよう・ロー	10.010	700011	11.044	-1-106	-0-888	
• 0000	13.263	3000	2000	12,362	12.020	-1.696	-1-353	-1-106	0	104
0000	300.45-	1 1 0 4 0 4 M	202-2-	0000	10.036	-1.702	-1-369	-1.136	-0 888	10 402
48000	-3.375	13.042	-2.708	-2.375	-2.0.42	-1.708	-1.375	-1.106	-0 888	10 402
50000	-3,381	-3.047	-2.714	-2.381	-2.048	-1.714	-1.381	-1.106	-0_888	10 402
55000.	-3.394	-3.061	-2.728	-2.395	-2.061	-1.728	-1.395	-1.106	-0.888	TO 405
.00009	-3.407	-3.074	-2.740	-2.407	-2.074	-1.741	-1.407	7	88	888 01
65000.	-3,419	-3.085	-2.752	7	-2.085	-1.752	-1.419	-1.198	-0=888	888 01
70000	-3.429	960-1-	-2.763	-2.459	• 00	-1.763	-1.430	-1.198	-0=888	888 01
75000	-3.439	-3.106	-2,773	-2.439	2.10	-1.773	-1.440	-1,198	88	888 01
80000	-3.449		-2.782	-	7		-1.449	-1.198	88	888 01
85000.	-3.457	•12	-2.791	-2.457	7	.79	-1.458	7	0=88	888 01
• 00006	-3.466	-3.132	•	-2.466	a	•	-1.466	4	0=88	m 688
• 00056	-3.473	3.1	-2.807	-2.473	2.1	1.80	.47		0 888	-0.888 0.00
1000001	-3.481	m	-2.814	-2.481	2.14	8	. 48		200	2000-0-
125000.	ស៊ី	-3.180	-2.846		တေးမ			1.19	000	-0.888
150000.	-3.539	-3.206	-2.873	-2.539	-2.206	-1.873	-1.539	-1.206	-1 004	© • 0 •

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ATOMIC SPEC

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ATOMIC SPECIES : F 5

0
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-4.792 -4.459 -4.126
-4.472
4.827 -4.494 -4.161
-4.837 -4.504 -4.171
-4.522 -4
-4.863 -4.530 -4.197
-4.538
-4.545
-4.578
4.937 -4.604 -4.271

ATOMIC SPECIES : F 7

0000-0	2.294 -1.984 2.301 -1.984	307 -1.985	2,313 -1,987	317 -1,985	2.323 -1.991	2.328 -1.996	333 -2.001	338 -2,006	347 -2.014		364 -2.031	372 -2.039	379 -2.046	386 -2.053		398 -2,066	402 -2.072			431 -2.098					481 -2.148	490 -2.156	497 -2,164		537 -2.204
9 0000	-2.627 -2.29 -2.633 -2.30	-2.639 -2.307	-2.645 -2.	-2.651 -2.317	-2.656 -2.	-2.661 -2.	-2,666 -2,333	-2,671 -2,338	-2.681 -2.347		-2.697 -2.364	-2.705 -2.372	-2.711 -2.379	-2.715 -2.386		-2.726 -2.398	-2.732 -2.402		-2.752 -2.418	-2.764 -2.431	.776 -2.443		-2.796 -2.463		-2.815 -2.481	2.823 -2.490	2.831 -2.497		1
\$ 000 8	-2,960 -2	-2.972 -2	-2.978 -2						-3.014 -2			-3.032 -2	-3.039 -2	-3.046 -2	-3.053 -2	-3.059 -2	-3.065 -2		-3.085 -2	-3.098 -2	-3.109 -2	-3,120 -2	-3,130 -2		-3.148 -2	ł	-3.164 -2	-3.1712	-3.203 -2
000 · M	-3.293	-3.306	-3.312	-3,317	-3,323	-3.328	-3,333	-3,338	-3.345	-3.349	-3,357	-3,365	-3.372	-3,379	-3,386	-3.392	-3.399	-3.405	-3.418	-3.431	-3.442	-3.453	-3.463	-3.472	-3.481	-3.439	-3,497	-3,505	-3,537
0 0 0 N	-3.626	-3.639	-3.645	-3.650	-3.656	-3.661	-3.664	-3.666	-3.673	-3.682	-3.690	-3.698	-3.706	-3.713	-3.719	-3.726	-3.732	-3.738	-3.752	-3.764	-3.776	-3.786	-3.796	-3.806	-3.814	-3.823	-3.830	-3.838	-3.870
0000	-3,960	-3,972	-3.978	-3,983	-3,986	-3,987	-3,993	-3,997	-4.007	-4.015	-4.024	-4.031	-4.039	-4.046	-4.053	-4.059	-4.065	-4.071	-4.085	-4.097	-4.109	-4.120	-4.130	-4.139	-4.148	-4.156	-4.164	-4.171	-4.203
0000	-4.293	-4.304	-4.307	-4.310	-4.316	-4.321	-4.326	-4.331	-4.340	-4.349	-4.357	-4.365	-4.372	-4.379	-4.386	-4.392	-4.399	404.41	-4.418	-4.431	-4.445	-4.453	-4.463	-4.472	-4.481	-4.489	-4.497	-4.504	-4.537
-1.000	-4.625	-4.632	-4.638	-4.643	-4.649	-4.654	-4.659	-4.664	-4.673	-4.682	-4.690	-4.658	-4.706	-4.713	-4.719	-4.726	-4.732	-4.738	-4.751	-4.764	-4.776	-4.786	952.6-	4.805	-4.814	-4.822	-4.830	-4.838	-4.870
-2_000	-4.953	-4.965	-4.971	-4.977	-4.982	-4.987	-4.992	-4.997	-5.007	-5.015		-5.031	-5.039	-5.046	-5.053	-5.059	-5.065	-5.071	-5.085	-5.097	-5.109	-5.120	-5.129	-5.139	-5.148	-5.156	-5,164	-5.171	-5.203
DEG KZLOG PE	22000	24000	25000	26000	27000	28000	29000	30000	32000	34000	36000	38000	40000	4 2000	00044	46000	48000	20000	55000	00009	65000	70000	75000	80000	85000	00006	95000	100000	125000

LOG OF THE DEPRESSION OF THE CONTINIUM

DIOMIC SPECIES : F	ø									
T neg KA ng Ps	-2.000	-1.000	000 000 01	1 • 000	2.000	3.000	4.000	5.000	© 00 9	000
55000	-5.201	-4.867	-4.534	-4.201	-3.868	-3 534	-3.201	12.868	-2.534	-2.205
00009	-5.213	-4.880	-4.547	-4.213	-3.880	-3 547	-3.214	12.880	-2.547	-2.214
65000	-5,225	-4.892	-4.558	-4.225	-3,892	-3 558	-3,225	12.892	-2.559	-2, 225
70000	-5.235	-4.902	14.569	-4.236	-3.902	-3 559	-3.236	12,903	-2.569	-2,236
75000	-5.245	-4.912	-4,579	-4.246	-3.912	-3 579	-3.246	12.912	-2.579	-2.246
80000	-5.255	-4.921	-4.588	-4.255	-3.922	-3 588	-3,255	12.922	-2.589	-2,255
85000	-5.264	-4.930	14.597	-4.264	-3.930	-3 597	-3.264	12.930	-2.597	-2.264
00006	-5.272	-4.938	-4,605	-4.272	-3,939	-3 605	-3,272	-2.939	-2.605	-2.272
95000	-5.280	-4.946	-4,613	-4.280	-3.946	-3 613	-3.280	-2.946	-2.613	-2.280
100000	-5.287	-4.954	14.620	-4.287	-3.954	-3 620	-3.287	12.954	-2.621	-2.287
125000	-5,319	-4.986	-4,653	-4.319	-3.986	-3 653	-3.319	-2.986 -	-2.653	-2.320
150000	-5.346	-5.012	14.679	-4.346	-4.012	-3 679	-3.346	3.012	-2.679	-2,346
ATOMIC SPECIES : F	On .									
ב פפ אלוחה פד	-2.000	-1 000	000 0 1	1.000	2.000	3.000	4.000	5.000	6.000	7.000
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100000	-5.389	-5056	-4.723	-4.389	-4.056	-3.723	-3,389	-3.056	-2 723	-2,390
125000	-5.422	15 088	-4.755	-4.422	-4.088	-3.755	-3.422	-3.088	-2-155	-2.422
.5000	8 4 4 A A	-5 115	-4.781	-4.448	-4.115	-3.781	-3.448	-3,115	-2 781	-2.448

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AIC PSCIES

ATOMIC SPECIES : NE 2

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-2.302 * -2.354 -2.379
-2.643 -2.684 -2.721
-2.949 -3.007 -3.058
13,314 13,355 13,393
-3.638 -3.698 -3.684

-1.198 -1.205 -1.219 -1.235 -1.230 -1.273 -1.311 -1.343 -1.355 -1.371 -1.379 000 IC -1.254 -1,325 -1,258 -1.242 -1.248 -1.262 -1.267 -1.290 -1.297 -1,304 -1.413 -1.337 -1.404 -1.387 -1.429 -1.421 -1.453 -1.480 -1.501 -1.554 -1.550 -1.549 -1.560 -1.565 -1.571 -1.578 -1.585 -1.590 -1.594 -1.637 -1.679 -1.687 -1.697 -1.728 -1.737 -1.746 -1.665 -1.672 -1.562 -1.603 -1.612 -1.629 -1.658 -1.708 -1.621 -1.651 -1.844 -1.844 -1.865 -1.854 -1.856 -1.855 -1.853 -1.921 -1.926 -1.931 5_000 -1.864 -1.885 -1.894 -1.899 -1.905 -1.910 -1.970 -1.993 -2.000 -2.000 -2.017 -1.793 -1.945 -1.954 -2.061 -2.070 -2.079 -2.102 -2.134 -2.160 -2.040 -2.087 -1.936 -1.962 -1.877 -1.986 -2.224 -2.231 -2.237 -2.242 -2.132 -2.150 -2.173 -2.164 -2.179 -2.186 -2.195 -2.206 -2.254 -2.259 -2.264 -2.269 -2.296 -2.306 -2.309 -2.319 -2.330 -2.349 -2.362 -2.373 -2.384 -2.394 -2.420 -2.435 -2.467 -2.494 000 -2.082 -2,113 -2.169 -2.218 -2.287 -2.314 -2.412 -2.470 -2.500 -2.479 -2.511 -2.523 -2.529 -2.537 -2.551 -2.557 -2.564 -2.587 -2.592 -2.597 -2.602 -2.644 -2.650 -2.657 -2.663 -2.669 -2.682 -2.682 0 0 3 -2.481 -2.576 -2.627 -2.631 -2.637 -2.736 -2.727 -2.753 -2.769 -2.801 -2.827 -2.450 -2,501 -2.623 -2.745 -2.731 -2.765 -2.787 -2.814 -2.790 -2.790 2.815 -2.824 -2.839 -2.846 -2.884 -2.903 -2.909 -2.915 -2.920 -2.926 -2.931 -2.948 -2.990 -3.040 -2.862 -2,891 -2.955 -2.984 -2.996 -3.060 2 000 -2.977 -2.877 -2.938 -2.943 -2.970 -3.016 -3.028 -3.050 -3.078 -2.897 -3.087 -3.094 -3.102 -3.248 -3.255 -3.261 -3.310 -3.124 -3.137 -3.149 -3.160 -3.169 -3.195 -3.280 -3.105 -3,323 -3.420 -3.428 -3,236 -3,265 -3,361 -3,384 00 -3,135 -3.210 -3.217 -3.467 -3.230 -3,242 -3,262 -3,272 -3,296 -3,303 -3,349 -3.187 -3,224 -3,317 -3,335 -3,403 -3.412 -3.423 -3.428 -3.443 -3.578 -3.582 -3.584 -3.629 -3.636 -3.643 -3.543 -3.564 -3.613 -3.471 -3.502 -3.528 -3.682 -3.727 -3.768 -3.801 -3.827 -3.520 -3.536 -3.595 -3.656 -3.695 000.01 -3.442 -3.604 -3,650 -3.668 -3.457 -3.492 -3,557 -3.587 -3,591 -3.663 -3.706 -3.717 -3.745 -3.792 -3.804 -3.815 -3.825 -3.825 -3.861 -3.869 -3.877 -3.884 -3.937 -3.946 -3.954 -3.962 -3.745 -3.744 -3.761 -3.777 -3,923 -3.983 -4.015 -4.094 -4.102 -4.134 -1.000 -3,853 -3.996 -4.040 -4.050 -4.060 -4.069 -4.078 -4.086 -4.002 -4.261 -4.271 -4.279 -4.288 14.295 14.303 14.310 14.323 -4.329 -4.335 -4.349 -4.361 -4.373 -4.384 -4.393 -4.403 -4.412 -4.420 -4.428 -4.435 -4.257 -2.000 -4.195 -4.186 DEG K/LOG 90000. 95000. 100000. 125000. 10000. 12000. 13000. 14000. 17000. 19000. 21000. 25000. 25000. 26000. 27000. 28000. 30000. 32000. 34000. 38000. 42000. 44000. 46000. 65000. 7000. 48000. 55000. .0009 9000 75000. 85000.

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DICHES SPECIES

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ATOM IC SPECIES

-1.663 -1.671 -1.678 -1,261 -1,407 -1,441 -1,455 -1.469 -1.485 -1.501 -1.568 -1.581 -1.593 -1.605 -1.605 -1.629 000 -1.646 -1,561 -1.957 -1.977 -1.987 -1.995 -2.004 -2.051 6.000 -1.947 -2.011 -2.019 -2.043 -2.061 -2.077 -2.094 -2.185 -2.195 -2.204 -2.212 -2.228 -2.236 -2.242 -2.246 -2.250 -2.254 -2.311 -2.320 -2.329 -2.279 -2.220 5.000 -2.301 -2.410 -2.400 -2.400 -2.423 -2.408 -2.428 -2.437 -2.446 -2.623 -2.644 -2.653 -2.662 4.000 -2.414 -2.670 -2.678 -2.685 -2.793 -2.800 -2.807 -2.813 -2.820 -2.826 -2.842 -2.842 -2.847 -2.852 -2.852 -2.852 -2,900 -2,907 -2,913 -2.945 -2.936 -2.995 -2.995 -2.881 -3.018 -2.894 -2,919 -2,932 -3.003 -3,011 -2.967 -3.051 -3.077 -3.064 -3.039 -3.220 -3.227 -3.233 -3.240 -3.300 -3.310 -3.320 -3.065 -3.111 -3,384 -3.094 -3.103 -3.053 -3.085 -3.212 -3.266 -3.278 -3.290 -3,352 -3.252 -3,336 -3,344 -3.480 -3.486 -3.492 -3.515 -3.522 -3.530 -3.538 1.000 -3.467 -3.546 -3.560 -3.567 -3.573 -3.579 -3.634 -3.460 -3,498 -3.505 -3.512 -3,374 -3,511 -3.585 -3.599 -3.611 -3.623 -3,653 -3,662 -3.670 -3.678 -3.841 -3.845 -3.854 -3.863 -3.752 -3.761 -3.770 -3.778 -3.793 -3.800 -3.893 -3.900 -3.906 -3.956 -3.967 -3.977 -3.986 -3.678 -3.707 -3.721 -3.731 -3.814 -3.832 -3.879 -3.932 -3.828 -0.000 -3.742 -3.912 -3.918 -3.995 -4.051 -3,837 -3.871 -4.003 -4.011 -4.018 14.042 -4.075 -4.085 -4.094 -4.103 -4.204 -4.212 -4.219 -4.227 -4.233 -4.240 -4.278 -4.289 -4.300 -4.319 -4.252 4.384 -1.000 -4.328 -4.338 -4.344 4.352 -4.410 44445 -4.643 -4.653 -4.661 -4.670 -4.677 -4.685 -4.685 -4.717 -4.744 -2.000 -4.344 PE **%**10€

T DEG <th>-2.000</th> <th>-1.000</th> <th>0000-0-</th> <th>1.000</th> <th>2.000</th> <th>3.000</th> <th>4 • 000</th> <th>5.00.0</th> <th>000.9</th> <th>7.000</th>	-2.000	-1.000	0000-0-	1.000	2.000	3.000	4 • 000	5.00.0	000.9	7.000
14000	-4.602	-4.269	-3.935	-3.602	-3.270	-2.936	.60	-2 308	-1.971	-1.620
0000	-4.612	-4.279	46.	-3.612		-2.945	-2.612	-2 300	-1.989	-1.635
16000	-4.621	-4.288	-3.955	-3.621	-3.288	-2.956	-2.622	-2 299	-2.006	•
17000	-4.630	-4.297	-3.964	-3.630	-3.297	-2.964	-2.631	29	66.	-1.663
18000	-4.638	-4.305	-3.972	-3.639	-3.305	-2.972	-2.640	-2=306		-1.679
19000	-4.646	-4.313	-3.980	-3.646	-3,313	-2.980	-2.646	31	-1,993	-1,695
20000	-4.653	-4.320	-3.987	-3.654	-3.320	-2.987	-2.654	-2=322	•	-1.698
21000	-4.658	-4.327	-3.994	-3.661	-3.327	-2.994	-2.661	-2 329	-1.995	-1.694
22000	-4.660	-4.333	-4.001	-3.667	-3.334	-3.001	-2.668	-2 334	-2.002	-1.692
23000	-4.667	-4,336	-4.007	-3.674	-3.341	-3.007	-2.674	-2 341	-2.009	-1.592
24000	-4.673	-4.340	-4.012	-3.680	-3.347	-3.013	-2.680	-2 347	-2.015	-1.693
25000	-4.679	-4.345	-4.015	-3.686	-3,353	-3.019	-2.685	-2 353	-2.021	-1.695
26000	-4.685	-4.351	-4.018	-3.690	-3,358	-3.025	-2.692	-2,358	-2.025	-1.693
27000=	-4.690	-4.357	-4.023	-3.694	-3.363	-3.030	-2.697	-2=354	-2.031	-1.•699
23000	-4.695	-4.362	-4.029	-3.695	-3,368	-3.036	-2.702	-2=369	-2.036	-1.704
2000	-4.700	-4.367	-4.034	-3.700	-3,372	-3.041	-2.707	-2=374	-2.041	-1.709
30000	-4.705	-4.372	-4.039	-3.705	-3,374	-3.045	-2.712	-2 379	-2.046	-1,713
32000	-4.714	-4.381	-4.048	-3.715	-3,381	-3.053	-2.722	-2 388	-2.055	-1.722
34000	-4.723	-4.390	-4.057	-3.724	-3,392	-3.057	-2.730	-2 397	-2.064	-1.731
36000	-4.731	-4.398	-4.065	-3.732	-3.399	-3.070	-2.736	-2 405	-2.072	-1.739
38000	-4.739	-4.406	-4.073	-3.739	-3.406	-3.075	-2.739	-2 413	-2.080	-1.747
4 0000	-4.747	-4.413	-4.080	-3.747	-3.414	-3.081	-2.753	-2-419	-2.087	-1.754
4 2000	-4.754	-4.420	-4.087	-3.754	-3.421	-3.088	-2.757	-2=430	-2.094	-1.761
4 4000	-4.760	-4.427	-4.094	-3.760	-3.427	-3.094	-2.762	-2=436	-2.100	-1.768
4 6000	-4.767	-4.433	-4.100	-3.767	-3.434	-3.100	-2.768	-2-440	-2.106	-1.774
4 8000	-4.773	-4.440	-4.106	-3.773	-3.440	-3.107	-2.774	-2 444	-2,116	
50000	-4.779	-4.445	-4.112	-3.779	-3.446	-3.112	-2.779	-2 448	-2.122	
55000	-4.792	-4.459	-4.126	-3,793	-3.459	-3.126	-2.793	-2 460	-2.131	•
60000	-4.805	-4.472	-4.138	-3.805	-3.472	-3.139	-2.805	-2 472	-2.141	-1.815
6 5000	-4.817	-4.483	-4.150	-3.817	-3.483	-3.150	-2.817	-2 484	.15	
7 0000	-4.827	-4.494	-4.161	-3.827	-3.494	7	-2.828	\$	-2.162	•
7 5000	-4.837	-4.504	-4.171	-3.837	-3.504	-3.171	-2.838	-2=504	-2.171	-1.839
8 0000	-4.847	-4.513	-4.180	-3.847	-3.513	-3.180	-2.847	5.3	-2.181	-1.848
■ 000E 8	-4.855	-4.522	-4.189	-3.855	-3.522	-3.139	-2.856	-2=522	-2,189	•
00006	-4.863	-4.530	-4.197	-3.864	-3.530	-3.197	-2.864		• 19	• 86
00056	-4.871	-4.538	-4.205	-3.871	-3.538	20	-2.872	S	80	-1.872
10 00 00	-4.879	-4.545	-4.212	-3.879	-3.546	5	-2.879	54	2	88
12 5000;	-4.911	-4.578	-4.244	-3.911	-3,578		-2.911	57	-2.245	
15.0000	-4.937	-4.604	-4.271	-3.937	-3.604	-3.271	-2.937	-2 604	-2.271	-1.938

ATOMIC PECISS: NS 6

-	OEG K/LOG PE	-2.000	-1.000	000.0-	1.000	2.000	3 , 300	4	000 S	000.9	7.000
	1 8000	767.4-	-4.4E3	-4.130	-3.797	-3.464	-3.130	-2.799	46	-2.152	-1,837
	_	-4.805	-4.471	-4.138	-3.805	-3.471	-3.138	-2.805	-2 472	-2.151	-1.854
	_	-4.812	-4.479	-4.145	-3,812	-3.479	-3.145	-2.812	-2 480	-2.154	-1,856
	2:1000	-4.817	-4.486	-4.152	-3,819	-3.486	-3,153	-2.819	-2=487	-2,153	-1.852
	22000	-4.819	-4.492	-4.159	-3.826	-3.493	-3.159	-2.826	-2=493	-2.160	-1.850
	23000	-4.825	-4.495	-4.165	-3,832	-3.499	-3.156	-2.832	-2=499	-2.167	-1.850
	2:400	-4.831	-4.498	-4.170	-3.838	-3,505	-3.172	-2,839	-2 505	-2.174	-1.851
	2500	-4.837	-4.504	-4-173	-3.844	-3.511	-3.178	-2.844	-2 511	-2.179	-1,854
	2.60.0	-4.843	-4.509	-4.176	-3.849	-3.517	-3,183	-2,850	-2 517	-2.183	-1.851
	2700	-4.848	-4.515	-4.182	-3.852	-3.522	-3,189	-2.856	-2 522	-2.189	-1.857
	2800	-4.853	-4.520	-4.187	-3.854	-3,527	-3.194	-2.861	-2 528	-2,194	-1.862
	2900	-4.859	-4.525	-4.192	-3.859	-3.530	-3.199	-2.866	-2 533	-2.199	-1.868
	3000	-4.863	-4.530	-4.197	-3.864	-3.532	-3.204	-2.871	-2=537	-2.204	-1.872
	3200	-4.873	-4.539	-4.206	-3,873	-3.540	-3.211	-2.880	-2=547	-2.214	-1.880
	3400	-4.881	-4.548	-4.215	-3.882	-3.548	-3,215	-2.888	-2 555	-2.222	-1,889
	36000	-4.890	-4.556	-4.223	-3.890	-3.557	-3,223	-2.895	-2 564	-2.230	-1.897
	38000	-4.898	-4.564	-4.231	-3.898	-3.564	-3,231	-2.898	-2 571	-2.238	-1.905
	4 0 0 0 0	-4.905	-4.572	-4.238	-3,905	-3.572	-3.238	-2.905	-2 577	-2.246	-1.912
	4.2000	-4.912	-4.579	-4.245	-3.912	-3.579	-3.245	-2.912	-2 581	-2.252	-1.919
	4 4000	-4.919	-4.585	-4.252	-3,919	-3.585	-3,252	-2.919	-2,586	-2.259	-1,926
	4 6000	-4.925	-4.592	-4.259	-3.925	-3.592	-3.259		-2 -592	-2.264	-1,932
	4 8000	-4.931	-4.598	-4.265	-3,931	-3.598	-3,265		-2 -598	-2.268	-1.938
	20003	-4.937	-4.604	-4.271	-3,937	-3.604	-3.271		-2 604	-2.271	-1.944
	5 5000	-4.951	-4.618	-4.284	-3,951	-3.618	-3.284		-2 618	-2,285	-1,955
	0000	-4.963	-4.630	-4.297	-3.964	-3.630	-3.297		-2 631	-2.297	-1.964
	6 500	-4.975	-4.642	-4.308	-3.975	-3.642	-3,309	-2.975	-2 642	-2.310	-1.975
	0000	-4.986	-4.652	-4.319	-3,986	-3,653	-3,319	-2.985	-2 553	-2.320	-1.989
	7 500	966.4-	-4.662	-4.329	-3.996	-3.662	-3,329	-2.996	-2.663	-2,330	-1.998
	8:0:00	-5.005	-4.672	-4.338	-4.005	-3.672	-3,338	-3.005	-2 672	-2.339	-2,006
	8500	-5.014	-4.680	-4.347	-4.014	-3.680	-3.347	-3.014	-2 -581	-2.348	-2,015
	0000	-5.022	4	-4.355	-4.022	-3.689	-3,355	-3.022	-2 689	-2,356	-2.023
	0001316	-5.030	959.4-	-4.363	-4.030	-3.696	-3.363	-3.030	-2 697	-2.364	-2.031
	10:0:00 OI	-5.037	-4.704	-4.371	-4.037	-3.704	-3,371	-3.037	70	-2.371	-2.038
	12 5000	-5.069	-4.736	-4.403	-4.069	-3.736	-3.403	۰	~2 736	-2.403	-2.070
	15:0:000	-5.096	-4.762	-4.429	-4.096	-3.762	-3.429	-3.096	16	42	-2.096

11.985 11.9887 11.9987 11.9 7.000 -2.473 -2.597 -2.537 -2.537 00009 5<u>0000</u> -2.989 -2.995 -3.000 -3.005 -3.022 -3.029 -3.032 -3.059 -3.065 -3.071 -3.0889 -3.109 -3.109 -3.1130 -3.1130 -3.1148 -3.1148 -3.1164 -3.1164 -3.1164 -3.1164 -3.1164 -3.1164 -3.1164 -3.1171 -3.1171 -3.046 -3.453 -3.453 -3.472 -3.481 -3.489 -3.505 -3.537 -3.682 -3.690 -3.698 -3.719 -3.726 -3.732 -3.752 -3.706 -3.776 -3.786 -3.796 -3.806 -3.814 -3.823 -3.830 -3.830 -3.896 1.000 -4.404 -4.418 -4.4431 -4.4423 -4.481 -4.489 -4.497 -4.463 -0.000 14.643 14.654 14.659 14.659 -4.756 -4.814 -4.838 -4.870 -4.896 -1.000 -2 0.00 岁 ď •• TOMI SPECIES DEG KALOG

LOG OF THE DEPRESSION WF OHE CONTINIUM

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ATOHIC SPECIES :

9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	DEG K/LOG DE	-2.000	-1.000	000.0-	0000	000 N	3.000	4 .000	5.000	00000	7.000
- 5-114		-5.113	444	-4.447 -4.456	-4.113 -4.123	N W K	0.4 . E	mmm	ת מומ	0.000	-2.122 -2.130
Fig. 15 - 4.882		-5.140	144	-4.473 -4.473	14.140	9.00.6	3.47	א מו ני	100	งเงเ	-2.147 -2.147
-5.160		-5.155	-4.822	-4.488	-4.155	3.82	3.43	3.15	10	N.	-2.162
Fig. 18		-5.162	14.829	-4.495	-4.162	ν κ α	3.49	13.162	ถ้าด้	N a	-2.176
-5.121 - 4.849		-5.175	-4.842	-4.508	-4.175	3.8	3,50	-3.175	à	-2.514	-2,182
-5.13		-5,181	-4.848	-4.515	-4.181	8	m	13,181	ò	-2.518	-2.188
PS 213 - 44.890		-5.187	14.854	-4-520	-4.187	13.854	W W	13.187	o o	ณด	-2.194
NE 9 1,000 1,000 1,000 2,000 1,000 2,000 1,000		15.61 F10.81	14.880	14.034	-4.201	, w	'n	או ני	•	n v	12.214
## 1982 14,992		-5.225	-4.892	-4.558	-4.225	-3.892	m	n	i	-2.559	-2.225
-5.245 -4.912 -4.579 -4.266 -3.912 -3.579 -3.246 -2.912 -2.912 -2.927 -2.526 -4.912 -4.558 -5.242 -4.928 -3.322 -2.922 -2.929 -2.928 -5.2404 -4.938 -3.2272 -4.938 -4.938 -4.938 -4.938 -3.3203 -2.939 -2.947 -2.939 -2.928 -2.939 -2.947 -2.939 -2.939 -2.938 -2.938 -2.939 -2.947 -2.939 -2.938		-5.235	-4.902	-4.569	-4.236	-3.902	14)	. 10	-2.903	-2.569	-2.236
-5.255 -4.921 -4.588 -4.255 -3.922 -3.558 -2.922 -2.5597 -5.5564 -4.936 -4.255 -4.930 -2.597		-5.245	-4.912	4	-4.246	-3.912	'n	n	-2.912	-2.579	-2.246
-5.264 -4.930 -4.597 -4.264 -3.930 -3.597 -3.264 -2.930 -2.597 -2.2695 -2.2897 -2.2695 -2.2897		-5.255	-4.921	-4.588	-4.255	-3.922	'n	3	-2.922	-2.589	o.
-5.222 -4.938 -4.605 -4.222 -3.946 -3.605 -3.222 -2.939 -2.605 -2.947 -2.946 -3.613 -3.222 -2.949 -2.947 -2.946 -3.222 -4.946 -4.653 -4.286 -3.954 -3.653 -3.319 -2.966 -2.653 -3.222 -4.319 -3.966 -3.653 -3.319 -2.986 -2.653 -3.224 -3.012 -2.946 -3.012 -2.947 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.986 -2.653 -3.319 -2.987 -2.986 -2.653 -3.319 -3.346 -3.012 -2.979 -2.979 -3.346 -3.012 -2.979 -2.979 -3.346 -3.012 -2.979 -2.979 -3.346 -3.012 -2.979 -2.979 -3.346 -3.012 -2.677 -2.987 -3.024 -3.034 -3.351 -3.348 -3.015 -2.677 -2.987 -2.691 -2.374 -3.024 -3.034 -3.351 -3.346 -3.033 -2.706 -5.338 -3.366 -5.039 -4.755 -4.366 -4.049 -3.318 -3.348 -3.041 -2.708 -5.338 -2.694 -4.753 -4.382 -4.086 -3.338 -3.348 -3.041 -2.708 -2.708 -5.338 -2.694 -4.753 -4.448 -4.115 -3.724 -3.348 -3.041 -2.708 -2.755 -2.682 -2.694 -3.318 -3.348 -3.041 -2.708 -2.755 -2.694 -3.318 -3.348 -3.041 -2.708 -2.755 -2.694 -3.318 -3.348 -3.041 -2.708 -2.755 -2.694 -3.318 -3.348 -3.041 -2.708 -2.755 -2.348 -3.348 -3.041 -2.708 -2.755 -2.348 -3.348 -3.041 -2.708 -2.755 -2.348 -3.348 -3.348 -3.041 -2.708 -2.755 -2.348 -3.348 -3.348 -3.348 -3.041 -2.708 -2.755 -2.348 -3		-5.264	4	-4.597	Ŋ	-3.930	10	3	-2.930	ď	-2.264
-5.280 -4.946 -4.613 -4.280 -3.946 -3.613 -3.287 -2.947 -2.613 -5.287 -4.986 -4.613 -4.280 -3.954 -3.620 -3.287 -2.986 -2.621 -5.346 -5.012 -4.653 -4.346 -4.012 -3.653 -3.387 -2.986 -2.6621 -5.346 -5.012 -4.653 -4.346 -4.012 -3.653 -3.387 -2.986 -2.6621 -2.663 -2.863		-5.272	4	-4.605	4	'n	3.60	m	-2.939	2.60	Ň
-5.319		-5.280	4.64	-4.613	-4.280	3.94	3.6	m)	å	2.61	-2.280
## NE 9 ## -2,000		-5.287	4 . 95	-4.620	-4.287	3.95	9 1	m I	å d	2.62	-2.287
## NE 9 ### 15.346		-5,319	4.98	-4.653	4.31	86.5	3.00	3.51	20.0	00.7	ง้
## -2.000 -1 000 -0.000 1.000 Z.000 0.000		0.40		-4.679	4 4	.01	•	40.	10.0	0	
-5.338	••										
-5.338 -5_004 -4.671 -4.338 -4_005 -3_671 -3.338 -3.005 -2.672 -5.348 -5_014 -4.681 -4.348 -4_015 -3_851 -3.348 -3.015 -2.682 -5.357 -5_024 -4.690 -4.357 -4_024 -3_591 -3.357 -3.024 -2.691 -5.356 -5_304 -4.707 -4.374 -4.041 -3_891 -3.357 -3.024 -2.691 -5.382 -5_041 -4.707 -4.374 -4.041 -3_899 -3.366 -3.033 -2.708 -5.389 -5_056 -4.723 -4.374 -3.041 -2.708 -5.389 -5_056 -4.723 -4.389 -4_066 -3_873 -3.389 -3.041 -2.755 -5.422 -5_088 -4.755 -4.422 -4_088 -3_873 -3.389 -3.056 -2.755 -5.448 -5_115 -4.731 -4.448 -4_115 -3_873 -3.448 -3.115 -2.788 **N**IO** **N**IO** **N**IO** -5.513 -5.180 -4.873 -4.539 -4.266 -3.833 -3.389 -3.115 -2.847 -5.539 -5.259 -5.206 -4.873 -4.539 -4.206 -3.833 -3.513 -3.180 -2.847 -5.539 -5.206 -4.873 -4.539 -4.206 -3.873 -3.539 -3.206 -2.887											
-5.338 -5_004 -4.671 -4.338 -4_005 -3_671 -3.338 -3.005 -2.672 -5.348 -5_014 -4.681 -4.348 -4_015 -3_581 -3.348 -3.015 -2.682 -5.357 -5_024 -4.690 -4.357 -4_024 -3_691 -3.357 -3.024 -2.691 -5.356 -5_033 -4.699 -4.366 -4_033 -3_599 -3.366 -3.033 -2.708 -5.374 -5_041 -4.707 -4.374 -4_041 -3_799 -3.366 -3.033 -2.708 -5.374 -5_041 -4.707 -4.382 -4_049 -3_715 -3.382 -3.041 -2.708 -5.382 -5_049 -4.715 -4.389 -4_049 -3_715 -3.382 -3.049 -2.708 -5.389 -5_049 -4.753 -4.389 -4_089 -3_755 -3_3422 -3.089 -2.7782 -5.442 -5_049 -4.751 -4.448 -4_115 -3_175 -3.448 -3.115 -2.7782 -5.448 -5_115 -4.781 -4.448 -4_115 -3_175 -3.448 -3.115 -2.782 -5.450 -1.000 -0.000 1.00 2.000 3_000 4.000 5.000 6.000		-2.000	0 #	0000	0000	0	8	00•	00.	00.	00
-5.358		. II	900	14.671	8 K 4 V -	200		4.2	, F. I.	2.67	~
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-5.389 -5 056 -4.723 -4.389 -4 056 -3 723 -3.389 -3.056 -2.723 -5.422 -5 088 -4.755 -4.422 -4 088 -3 755 -3.422 -3.088 -2.755 -5.448 -5 115 -4.781 -4.448 -4 115 -3 781 -3.448 -3.115 -2.782 -3.088 -2.782 -3.088 -2.782 -3.088 -2.782 -3.088 -2.782 -3.088 -2.782 -3.088 -2.782 -3.088 -2.782 -3.088 -2.782 -3.088 -2.782 -3.088 -2.782 -3.088 -2.782 -3.0848 -3.115 -2.782 -3.088 -2.782 -3.088 -2.782 -3.115 -2.782 -3.115 -2.782 -3.115 -2.782 -3.115 -2.782 -3.115 -2.782 -3.115 -2.782 -3.115 -2.782 -3.115 -2.782 -3.115 -2.782 -3.115 -2.782 -3.206 -2.847		-5.382	0 40	-4.715	-4.382	-4 049	3 71	ě	-3.049	2.71	Ň
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-5.206 -4.873 -4.539 -4.206 -3.373 -3.539 -3.206 -2.873		-5.513	u)	-4.846	-4,513	-4.180	-3.846	-3.513	-3.180	-2.847	-2,513
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	-3.036	-2.712	-2.356	-2.021	-1.612	***	***	****	***	**
0	60	-2.722	-2.404	-2.055	-1.719	-1.272	***	****	***	***
a		-2.791	-2.415	-2.081	-1.748	-1.409	****	****	***	***
7000	3.10	-2.795		N	-1.770	-1.436	-1.198	****	***	***
8000	.12	-2.790	-2.469	-2.123	-1.790	-1.456	-1.198	-0.754	***	
0006	• 14	-2.807	-2.474	-2.151	-1.807	-1.473	-1.198		*	•
10000	15	-2.822	-2.489	-2.157	-1.822	_	-1.198	-0.888	-0= 595	
001	• 16	-2.838	-2.503	-2.170	-1.839	-1.533	-1.198	-0.888	-0= 595	
12000	-3.182	-2.849	-2.517	-2.182	-1.849	-1.522	-1.182	-0.888		
13000	• 19	-2.860	-2.527	-2.193	-1.860	-1.529	-1.193	-1.004	-0= 295	
00	.20	-2.871	-2.538	-2.204	-1.870	-1.538	-1.204	-1.004	-0 595	
15000	.21	-2,881	-2.548	-2.214	-1.884	_	-1.217	_		
16000	-3.223	-2.890	-2.557	-2.224	-1.891	-1.556	-1.224	-1.004	-0 595	-0 405
17000	m	-2.899	-2.566	-2.232	-1.899	-1.559	-1.232	-1.004	-0 295	
18000	•	-2.907	-2.574	-2.241	-1.907	-1.575	-1.240	00.	-0 595	
19000	•24	-2.915	-2.582	-2.248	-1.915	-1.532	-1.252	-1.004	-0 595	
20000	• 25	-2.922	-2.589	-2.256	-1.923	-1.589	-1.258	-1.004	-0 595	-0 405
21000	26	O.	-2.596	-2.263	-1.930	-1.596	-1.264	-1.004	-0 754	
22000	vo	-2.935	-2.603	-2.270	-1.936	-1.603	-1.270	-1.004	-0 754	
23000	.26	-2.938	-2.609	-2.276	-1.943	-1.609	-1.276	-1.004	-0 754	
24000	3.27	-2.942	-2.614	-2.282	-1.949	-1.616	-1.282	-1.004	-0 754	
25000	•28	-2.948	-2.617	-2.288	-1.955	-1.621	-1.288	-1.004	-0 754	
26000	œ	-2.953	-2.620	-2.293	-1.960	-1.627	-1.294	-1.004	-0 754	-0 405
27000	\$29	-2.959	-2.625	-2.296	-1.966	-1.633	-1.299	-1.004	-0 754	
28000	29	-2.964	-2,631	-2.297	-1.970	-1.638	-1.305	-1.004	-0 754	-0 402
29000	0	-2.969	-2.636	-2,302	-1.974	-1.643	-1.310	-1.106	-0 754	
30000	-3.307	-2.974	-2.640	-2.307	-1.976	-1.647	-1.315	-1.106	-0 754	
32000	154	-2.983	-2.650	-2.317	-1.983	-1.655	-1.324	-1.106	-0=754	
34000	- OI	-2.992	-2.659	-2,325	-1.992	-1.659	-1,332	-1.106	-0=754	
36000	.33	-3.000	-2.667	-2,334	-2.000	-1.567	-1.338	-1-106	-0=754	
~	ď	-3.008	-2.675	-2.341	-2.008	-1.675	-1.341	-1.106	-0=754	
\sim	•34	-3.015	-2.682	-2.349	-2.015	-1.682	-1.349	-1.106	-0=754	
42000	ın	-3.022	-2.689	-2.356	-2.022	-1.689	-1.356	-1.106	-0=754	
o,	•36	-3.029	-2.696	-2.362	-2.029	-1.696	-1.363	-1.106	-0=754	
$\boldsymbol{\alpha}$	•36	-3.035	-2.702	-2,369		-1,702	-1.369	-1.106	-0=754	
0	3.37	-3.045	-2.708	-2,375	Ç)	-1.708	_		154	
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o o	m	-3.106	-2.773	-2.439	-2.106	-1.773	-1.440	-1.198		
ô	3.44	-3.116	Ņ	-2.449	Q	-1.782	-1.449	-1.198	888	265 0-
0	45	-3.124	-2.791	-2.457	-2.124	-1.791	-1.458	-1.198	888	n i
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125000	3.5	13.180	2.8	-2.513	-2.180	-1.846	-1.513	(ω « •	-0 595 FOR
o	. •	Š	-2.873	•	ď	-1.873	53	-1.206	1 004	0 0 0 0

M < SPECIES : NA 1

ADDMIC SPECIES : NA 2

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4 • 000	****** ****** -1.687 -1.724	1.771 -1.796 -1.796 -1.806 -1.826 -1.826 -1.826		11.9001 11.9001 11.9001 11.912 11.935		1 2 0 0 3 2 1 2 2 0 0 4 2 1 2 2 0 0 6 3 1 2 2 0 0 6 3 1 2 2 0 0 3 3 1 2 2 1 1 1 5 2 1 1 1 1
3.000		-2.105 -2.124 -2.131 -2.140 -2.149 -2.159	เดเดเดเดเด	<i> </i>	2	12.365 12.375 12.375 12.393 12.401 12.415 12.449
2.000	# 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		្រុសសសសសសសស ស្រុសស្រុសស្រុសស		-2.698 -2.708 -2.717 -2.726 -2.734 -2.736 -2.782 -2.782
1.000	**************************************	1.2.772 1.2.784 1.2.808 1.2.817 1.2.8817 1.2.8864	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	ดีดีดีดีดีดีดีดีดีดี	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13.031 13.061 13.061 13.063 13.063 13.063 13.076
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-2.000	-3.603 -3.653 -3.654 -3.684 -3.709 -3.725 -3.742	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		13.9869 13.8899 13.8999 13.9094 13.9099 13.927	13.943 13.958 13.958 13.954 13.954 13.971 13.987 14.997	144.031 144.051 144.059 144.068 144.083
T DSG K/LOG PF	W 4 R 9 V 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1	W 4 4 4 4 4 4 W W 0 0 0 0 0 0 0 0 0 0 0	4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

LOG OF THE DEPRESSION OF THE CONTINIUM

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ATOMIC SPECIES

-1.441 -1.504 -1.499 -1.510 -1.528 -1.593 -1.498 -1.520 -1.553 -1.575 7.000 -1.407 -1.469 -1.485 -1.498 -1:499 -1,501 -1,545 -1,560 -1.567 -1.587 -1.605 -1.621 -1.629 -1.646 -1.654 -1.663 -1.671 -1.678 -1.686 -1,581 -1.637 -1.815 -1.821 -1.827 -1.831 -1.796 -1.842 -1.937 -1.995 -2.004 -1.777 -1.799 -1.908 00009 -1.799 -1.801 -1.808 -1.852 -1.861 -1.870 -1.878 -1.886 -1.894 -1.901 -1.915 -1.929 -1.968 -1.977 -1.987 -1.804 -1.801 -1.837 -1.922 -1.957 -2.019 -2.077 -2.011 -2.051 -2.159 -2.165 -2.170 -2.175 -2.128 -2.135 -2.140 -2.106 -2.105 -2.103 -2.112 -2.195 -2.077 -2.185 -2.212 -2.228 -2.329 -2,153 -2.242 -2.410 5.000 -2,114 -2.246 -2.250 -2.254 -2.266 -2.279 -2.290 -2.320 2,301 -2.311 -2.503 -2.509 -2.514 -2.474 -2.528 -2.546 -2.559 -2.580 -2.599 -2.623 -2.653 000 -2.414 -2.418 -2.519 -2.426 -2.453 -2,460 -2.492 -2.408 -2.428 -2.445 -2.498 -2.644 -2.437 -2.467 -2.485 -2 . 569 -2.574 -2.612 -2.670 -2.678 -2.685 -2.717 -2.744 -2.742 -2.752 -2.763 -2.820 -2.826 -2.831 -2.842 -2.842 -2.847 -2.932 -2.731 -2.852 -2.894 -2.967 -2.995 -2.778 -2:793 -2,813 -2.852 3.000 -2,729 -2.770 -2,786 -2.830 -2.807 -2.876 -2.900 -2.937 -2.913 -2.919 -2.945 -2.881 -2.956 -3.003 -3.011 3.018 -3.051 -3.077 -3.053 -3.065 -3.076 -3.147 -3.159 -3.159 -3.164 -3.170 -3.175 -3.246 -3.252 -3.266 -3.085 -3.127 -3.134 -3.140 -3.220 -3.290 -3.300 -3.310 -3,319 -3.344 -3.119 -3.188 -3.193 -3.198 -3,205 -3.212 -3.233 -3.278 -3.103 -3,111 -3.240 -3.336 -3.410 -3,386 -3.436 -3.486 -3.553 -3.474 -3.408 -3.515 -3.538 -3,585 -3.717 -3,418 -3.428 -3.445 -3.452 -3.460 -3,498 -3.505 -3.512 -3,522 -3,530 -3.546 -3.573 -3.599 -3.678 -3,374 -3.480 -3.579 -3,623 -3.633 -3.643 -3.653 -3.467 -3.511 -3.670 -3.685 -3,567 -3.611 -3.662 -3.707 -3.721 -3.731 -3.742 -3.820 -3.879 -3.886 -3.893 -3.854 -3.863 -3.871 -3.912 -3.778 -3.832 -3.986 -3.770 -3.786 -3.845 -4.051 00000 -3,793 -3.800 -3.807 -3,813 -3.900 -3.906 -3.945 -3.956 -3.837 -3.841 -3.932 -3.967 -3,995 -3.977 -4.003 -4.011 -4.018 -4.126 -4.133 -4.153 -4.153 -4.159 -4.168 -4.173 -4.187 -1.C00 -4.075 -4.042 -4.053 -4.085 4.054 -4.103 -4.119 -4.178 -4.212 -4.219 -4.252 -4.064 -4.111 -4.204 -4.227 -4.233 -4.240 -4.246 -4.265 -4.278 -4.289 -4.310 -4.319 -4.328 -4.300 -4.336 -4.344 -4.352 -4.384 -4.410 -4.386 -4.398 -4.408 -4.477 -4.538 -4.545 000 -4.633 -4.428 -4.452 -4.459 -4.465 -4.475 -4.485 -4.506 -4.521 -4.579 -4.585 -4.418 -4.436 -4.445 -4.491 964.4--4.511 -4.560 -4.567 -4.573 -4.599 -4.623 -4.501 -4.611 -4.653 -4.661 -4.670 -4.677 8 DEG K/LOG 18000. 34000. 36000. 38000. 46000. 48000. 28000. 95000. 12000. 23000. 5000 20000 21000. 11000. 6000 7000 22000-25000. 26000 27000. 30000 32000. 40000 42000. 44000 55000 00009 6.5000 70000 75000. 80000 85000. 00006 24000 50000

ATOMIC SPECIES : NA 5

-3.279 -2 946 -2.612 -3.288 -2 956 -2.622
288 12 95 297 12 95
-3,305
-3 630 -3 639
-3.955 -3.621 -3.964 -3.630 -3.972 -3.639 -3.980 -3.646
14.288 3.955 4.297 3.964 4.305 3.972 4.313 3.980 4.320 3.980
4.6512

ATOMIC SPECIES : NA 6

T DEG K/LOG PE	-2.000	-1.000	000.0-	1.000	2.000	0 0 0	0000	5.000	000*9	7.000
19000	-4.805 -4.812 -4.817	-4.471 -4.479 -4.486	-4.138 -4.145 -4.152	-3.805 -3.812 -3.819	-3.471	-3.138 -3.145 -3.145	-2.805 -2.812	-2.472 -2.480	-2.154 -2.154	-1.854 -1.856 -1.852
22000	-4-819 -4-825	14.492	-4-159	-3.826	-3.493	100	-2,826	-2.493	-2.160	-1.850
24000	4.831	4.498	-4.170	-3.838	-3.505	-3.172	-2.839	-2.505	-2-174	-1.851
26000	-4.843	-4.509	-4.176	-3.849	-3.517	-3.183	-2.850	-2.517	-2.183	-1.851
27000	-4.848	-4.515	-4.182	-3,852	-3.522	-3.139	-2.856	-2.522	-2.189	-1.857
29000	-4.859	-4.525	-4.192	-3,859	13.530	-3.199	-2.866	-2.533	-2.199	-1.868
32000	-4.873	-4.539	-4.206	-3,873	-3.540	-3.211	-2.880	-2.547	-2.214	-1.880
34000	-4.881	-4.548	-4.215	3,882	3.548	-3.215	-2.888	-2.555	-2.222	-1.889
38000	14.898	14.564	-4.231	-3.898	-3.564	-3.231	-2.898	-2.571	-2.238	-1.905
40000	-4.905	-4.572	-4.238	-3.905	-3.572	-3.238	-2.905	-2.577	-2.246	-1.912
42000	-4.912	-4.579	-4.245	-3.912	-3.579	13,245	-2.912	-2.581	-2.252	-1.919
# 0000 4	-4.925	14.592	-4.259	-3,925	-3.592	-3.259	-2.925	-2.592	-2.264	-1.932
48000	-4.931	-4.598	-4.265	-3.931	-3.598	-3.265	-2.931	-2.598	-2.268	-1.938
20000	-4.937	-4.604	-4.271	-3.937	-3.604	-3.271	-2.937	2.604	-2.271	-1.944
99000	16.40-4-	14.010	-4-297	-3.964	-3.630	-3.297	-2.964	-2.630	-2.297	-1.964
65000	-4.975	-4.642	-4.308	-3,975	-3.642	-3.309	-2.975	-2.642	-2.309	-1.975
70000	-4.986	-4.652	-4.319	-3.986	-3.653	-3,319	-2.986	-2.653	-2.319	-1.986
75000	-4.996	-4.662	-4.329	-3.996	-3.662	-3.329	-2.996	-2.663	-2.330	-1.996
800008	-5.005	-4.672	-4.338	-4.005	-3.672	-3.338	-3·00g	-2.672	-2.339	-2.005
85000₽	-5.014	-4.680	-4.347	-4.014	-3.680	-3.347	-3.014	-2.681	-2.348	-2.015
00006	-5.022	-4.689	-4.355	-4.022	-3.689	-3,355	-3.022	-2.689	-2,356	-2.023
95000	-5.030	969.4-	-4.363	-4.030	-3.696	-3.363	-3.030	-2.697	-2,364	-2.031
100000,	-5.037	-4.704	-4-403	-4.037	-3.736	-3-371	-3.037	-2.736	-2.403	-2.038
150000,	-5.096	-4.762	-4.429	-4.096	-3.762	-3.429	-3.096	-2.763		-2.096

ATOMIC SPECIES : NA 7

T DEG K/LOG PE	-2.000	-1.000	0 9 ? 0	0000	2.000	000	4.000	5.000	000•9	7. 000
) () ()	1	1	i :	,	1	į	i i	000
25000.	-4.971	-4.638	-4.307	826 E1	-3.645	-3,312	-2.978	-2.045	72.313	196.1
26000.	-4.977	-4.643	-4.310	£86 £1	-3.650	-3,317	-2.984	-2,651	-2.317	-1.985
27000.	-4.982	-4.649	-4.316	986 21	-3.656	-3,323	-2.989	-2,656	-2,323	-1.991
28000•	786.4-	-4.654	-4.321	13 987	-3.661	-3.328	-2.995	-2.661	-2.328	-1.996
29000	-4.992	-4.659	-4.326	£66 £1	-3.664	-3,333	-3.000	-2.666	-2,333	-2.001
30000	766.4-	-4.664	-4.331	266 E1	-3.666	-3,338	-3.005	-2.671	-2,338	-2.006
32000	-5.007	-4.673	-4.340	200 41	-3.673	-3.345	-3.014	-2.681	-2.347	-2.014
34000	-5.015	-4.682	-4.349	14 015	-3.682	-3.349	-3.022	-2.689	-2.356	-2.023
36000	-5.024	4.690	-4.357	14 024	-3.690	-3,357	-3.029	-2.697	-2,364	-2.031
38000	-5.031	-4.698	-4.365	14.031	-3.698	-3,355	-3.032	-2.705	-2.372	-2.039
40000	-5.039	-4.706	-4.372	680 41	-3.706	-3,372	-3.039	-2,711	-2,379	-2.046
42000•	-5.046	-4.713	-4.379	14 046	-3,713	-3,379	-3.046	-2.715	-2.386	-2,053
44000	-5.053	-4.719	-4.386	14 053	-3.719	-3,386	-3.053	-2.720	-2,393	-5.060
46000.	-5.059	-4.726	-4.392	-4 059	-3.726	-3.392	-3.059	-2.726	-2.398	-2.066
48000	-5.065	-4.732	-4.399	-4 ∎ 065	-3.732	-3.399	-3.065	-2.732	-2.402	-2.072
50000.	-5.071	-4.738	-4.404	-4∎071	-3.738	-3.405	-3.071	-2.738	-2.405	-2.078
55000	-5.085	-4.751	-4.418	14 085	-3.752	-3.418	-3.085	-2.752	-2.418	-2.089
60000	-5.097	-4.764	-4.431	160 41	-3.764	-3.431	-3.098	-2.764	-2.431	-2.098
65000	-5.109	-4.776	-4.442	10.9	-3.776	-3.442	-3.109	-2.776	-2.443	-2.109
70000	-5.120	-4.786	-4.453	-4 120	-3.786	-3.453	-3.120	-2.787	-2.453	-2.120
75000.	-5.129	-4.796	-4.463	130	-3.796	-3.463	-3.130	-2.796	-2.463	-2,130
80000	-5.139	-4.805	-4.472	139	-3.806	-3.472	-3.139	-2.806	-2.473	-2,139
85000•	-5.148	-4.814	-4.481	-4■148	-3.814	-3.481	-3.148	-2,815	-2.481	-2,148
• 00006	-5.156	-4.822	4.489	-4 156	-3.823	-3.489	-3.156	-2.823	-2.490	-2.156
95000	-5.164	-4.830	-4.497	-4 164	-3.830	-3.497	-3,164	-2,831	-2.497	-2.164
100000	-5-171	-4.838	-4.504	-4 171	-3.838	-3.505	-3.171	-2,838	-2.505	-2.171
125000.	-5.203	-4.870	-4.537	14 203	-3.870	-3.537	-3.203	-2.870	-2.537	-2.204
150000.	-5.230	-4.856	-4.563	14 230	-3.896	-3.563	-3.230	-2.896	-2.563	-2.230

7.000

6.000 4.000 3 000 1.000 -0.000 100 -1.000 -2.000 30 Z PE ... ATPMIC SPECIES # 6 </Luc

ATOMIC SPECIES : N	0 AN									
T DEG K/LOG PE	000°	000	000° 0	000	2.000	000 ° E	0000	0 0 0	0 0 0	7.000
4000D	-5.257	-4.924	-4.591	-4 257	13,924	-3.591	-3 257	626 871	-2.598	-2.265
	-5.264	-4.931	-4.598	-4 264	126.51	-3.598	-3 264	12.933	-2.605	-2.272
00044	-5.271	-4.938	-4.604	14 271	13.938	-3.604	-3 271	12,938	-2,611	-2.278
46000	-5.277	4.94.4	-4.611	-4 277	13.944	-3.611	-3 278	12.944	-2.616	-2,285
00084	-5.283	-4.950	-4.617	14 284	036.51	-3.617	-3 284.	-2.950	-2.620	-2.291
50000	-5.289	-4.956	-4.623	14 289	926.21	-3.623	-3.290	12.956	-2.623	-2.296
55000	-5.303	-4.970	-4.636	14 303	026.61	-3.637	-3 • 303	-2.970	-2.637	-2,308
00009	-5,316	-4.982	-4.649	918 41	13,982	-3.649	-3.316	12.983	-2.649	-2,316
00069	-5.327	-4.994	-4.660	14 327	13,994	-3 661	-3.327	15.994	-2.661	-2,328
20000	-5.338	-5.004	-4.671	14 338	14,005	13 671	-3.338	S00.51	-2.672	-2,338
75000	-5.348	-5.014	-4.681	14 348	-4.015	1.89 51	-3.348	510.51	-2.682	-2.348
00008	-5,357	-5.024	-4.690	14 357	14.024	169 21	-3.357	13.024	-2.691	-2,358
85000	-5.366	-5.033	-4.699	14 366	-4.033	669 81	-3.366	EE0*E1	-2.700	-2.366
00006	-5.374	-5.041	-4.707	14 374	4.041	13 708	-3.374	-3.041	-2.708	-2.375
00056	-5.382	P\$0.8-	-4.715	14 382	640.4	3 715	-3.382	13,049	-2.716	-2,382
10000	-5.389	-5.056	-4.723	-4 389	4.056	-3.703	-3.389	13,056	-2.723	-2,390
125000	-5.422	-5.088	-4.755	-4 422	4.088	-3,735	-3.422	-3.08B	-2,755	-2.422
150000	-5.448	-5-115	-4.781	-4 448	4.115	-3 781	-3.448	13,115	-2.782	-2.448
ATOMIC SDECIES : N	NA 10									
T DEG <td>-2.000</td> <td>000</td> <td>0000-0-</td> <td>000</td> <td>2.000</td> <td>000</td> <td>\$ 0</td> <td>000 g</td> <td>0000</td> <td>7 000</td>	-2.000	000	0000-0-	000	2.000	000	\$ 0	000 g	0000	7 000
d d d	7	u u	0.00	4	*	r r	Q U P	II.	10. 701	0
	- C+ - U	****	000	000000	1010		000		004 61	944
		0 9	V6 1 8 1	00444	70104	V C O V I	13.5400) <	600.01	12.476
	7 1) h		2000	0 7 7 8 1	2000 P	1000	o a	20.01	1000
	7 1	***	1 4		0 0 0	* * * * * * * * * * * * * * * * * * *	100	i I	1000	1 0
000021		-2-180	14.840	-4.513	14.180	040.01	-3.513	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 48 4 7	510.2
150000	-5.539	-5.206	-4.873	-4.539	-4.206	-3.873	-3.540	902 • m1	-2.873	-2.540

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ATOMIC SDE< 1ES

-0.595 -0,595 -0,595 -0,595 -0<u>-</u> 595 -04 595 595 -0.595 -0.402 -0.402 -04402 -0.402 -0.595 -0.595 -0.595 -04 595 -04 595 595 -0-595 7.000 -0-595 -0= 595 -0. 595 -0.595 Ö a65 = 0--0 = 595 -0 = 754 -0=888 -0=888 000 9 -0 754 -0 754 -0 754 -0 754 d68 ■0-888 900 -0=754 P -1.106 -1.106 -1.004 -1.004 -1.004 -1.106 -1.106 -0.888 -0.888 -1.004 -1.004 -1.004 -1.106 -1.198 5.000 -1.004 -1.004 -1.004 -1.004 -1:106 -1.106 -1.106 -1.106 -1.106 -1.198 -1.198 -0.888 -1.004 -1.004 -1.004 -1.004 -1.004 -1.106 -1.198 **** -1.198 -1.198 -1.193 -1.204 -1.217 -1.224 -1.232 -1.240 -1.252 -1.263 -1.288 -1.294 -1.299 -1.304 -1.338 -1.407 -1.324 -1,356 -1,363 -1.375 -1.513 -1.276 -1 • 1 98 -1:182 -1.256 -1.349 -1,395 -1.430 -1.458 -1.466 -1.282 -1.314 -1.369 -1.449 -1.440 -1.474 -1.481 -1.456 -1.489 -1.547 -1.559 -1.566 -1.621 -1.627 -1.633 -1.702 -1.708 -1.714 -1.655 -1.659 -1.667 -1.639 -1.741 -1.814 -1.846 -1.873 3.000 -1.272 -1.409 -1:436 -1.522 -1.529 -1.538 -1.574 -1.582 -1.589 -1,596 -1.603 -1.609 -1.616 -1.638 -1.643 -1.682 -1.728 -1,763 -1.773 -1.799 -1.647 -1.782 -1.791 -1.807 2.000 -1.612 -1.719 -1.770 -1.790 -1.807 -1,822 -1.849 -1.872 -1.881 -1.890 -1.899 -1.922 -1.930 -1.936 -1.955 -1.960 -1.966 -1.974 -2.074 -2.085 -2.115 -2.124 -2.132 -1.983 -2.022 -2.180 -1.943 -1.907 -1,915 -1.949 -1.970 -1.976 -2.000 -2.008 -2.015 -2.036 -2.042 -2.048 -2.061 -2.096 -2.106 -2.140 -2.021 -2.055 -2.157 -2.169 -2.182 -2.195 -2.288 -2.349 -2.356 -2.362 -2.407 -2.449 -2.123 -2.214 -2.302 -2.513 1.000 -2.081 -2.104 -2.232 -2.248 -2.256 -2.263 -2.270 -2.276 -2.282 -2.296 -2.297 -2.307 -2,317 -2.325 -2.334 -2.341 -2,369 -2.375 -2,395 -2.429 -2.439 -2.466 2.473 -2.241 -2,381 -2.404 2.356 -2.548 -2.566 -2.574 -2.589 -2.614 -2.625 -2.650 -2.667 -2.682 -2.702 -2.714 -2.728 -2.740 -2.782 -2.489 -2.846 -0.000 -2.415 -2.596 -2.609 -2.640 -2.437 -2.469 -2 .474 -2,503 -2.527 -2.538 -2.517 -2.603 -2.631 -2.636 -2.696 -2,763 -2.773 -2.799 -2.807 -2.814 -2 666 -2 712 -2 782 -2 748 -1 000 -2,983 -3 074 -3 085 -3 086 047 -3.169 -3.182 -3.193 -3.204 -3.214 -3.223 -3.248 -3.036 -3.123 -3.275 -3.275 -3.297 -3.302 -3.307 -3,316 -3,325 -3,333 -3.341 -3.349 -3.356 -3,375 -3,381 -3,394 -3.082 -3.232 -3.261 -3.286 -3.439 -3.449 -3.457 -2.000 -3.055 -3.419 -3.473 -3.429 -3,362 -3.369 -3,513 -3.157 -3,539 -3.481 P **507|**≻ 46000 • 48000 • 50000 • 60000 55000 DEG

7.000

-1.106 6.000 -1.579 -1.583 -1.593 -1.601 -1.618 -1.618 -1.634 -1.640 -1.644 -1.648 -1.655 -1.664 -1.664 -1.688 -1.688 -1.708 5.000 *** -1.574 -1.726 -1.742 -1.750 -1.782 -1.808 ***** ****** -1.687 -1.724 -1.917 -1.926 -1.935 -1.961 -1.967 -1.972 -1.978 4.000 -1.954 -2.075 -1.944 -1.874 -2.011 -2.038 -2.058 -2.075 -2.091 -2.198 -2.205 -2.211 -2.218 -2.224 3.000 -2.416 -2.214 -2.322 -2.322 -2.332 -2.332 -2.409 -4.24 -2.501 -2.509 -2.517 -2.451 -2.462 -2.472 -2.538 -2.545 -2.551 -2.557 -2.562 -2.5588 -2.573 -2.579 -2.585 -2.596 -2.503 -2.503 -2.618 -2.625 -2.631 -2.638 -2.486 -2.532 2.000 -2.784 -2.795 -2.8834 -2.8834 -2.8834 -2.8836 -3.051 -3.051 -3.059 -3.068 -3.076 1.000 -3.401 -0.000 -3.416 -3.452 -3.462 -3.473 -1.000 -2.000 N S a •• 96 K A 196 ATOMIC SPECIES

-1.004

11.0004

-1.004

LOG OF THE DEPRESSION OF THE CONTINIUM

M.G. 3

ATUMIC SPECIES :

I DEG K/LOG PE	-2.000	-1.000	000-0-	000	2.000	3,000	4 .000	5.000	000*9	7.000
	-4.009	-3.707	-3,359	-3.030	-2.706	-2,330	***	****	****	****
0000	-4.036	-3.702	-3.369	-3 036	-2.731	-2,387	***	****	****	***
	-4.061	-3.749	-3.391	-3.058	-2.725	-2,391	-2.082	***	***	***
8000	-4.078	-3.746	-3.423	-3.077	-2.744	-2.410	-2.076	-1.661	* * * * * * * * * * * * * * * * * * * *	***
000 6	+60.4-	-3.761	-3.429	-3.105	-2.761	2442	400.0	10/01-	+ 11 + C + C + C	* * * * * * *
8	-4.109	-3.776	1.0 443 0.0 443	-3.111	-2.776	10.4443	-2-123	-1-700	-1.403	*****
	4.125	06/05/	004.0	421.5	1000	724 CT	12.136	11.000	11.450	-1-106
12000	-4.136	13.804	13.469	3,147	12.8003	12.433	-2.148	1.814	-1.480	-1.198
3 5	0 1 1 4 1		30400	13,150	12.824	-2.492	-2.158	-1.825		-1.198
	-4-168	-3.835	-3.502	3.169	-2.839	-2,501	-2.171	-1.835	-1.502	-1.198
	-4.178	-3.844	-3.511	-3.178	-2.846	-2,511	-2.179	-1.844	-1.511	-1.198
	-4.186	-3.853	-3.520	-3.187	-2.854	-2,523	-2.186	-1.859	-1.519	-1.198
1 8000	-4.195	-3,861	-3.528	C 61 H	-2.862	-2,529	-2.195	-1.864	-1.528	-1.198
1 9000	-4.203	-3.869	-3.536	-B 20 B	-2.869	-2.537	-2.206	-1.870	-1.536	-1.203
20000	-4.210	-3.877	-3.543	- B 210	-2.877	12.544	2.212	118877	-1.043	1.210
2 1000	-4.218	13.884	-3.550	C [2]	-2.884	150.7	27.2	0000	000-1-	11241-
22000	-4.225	-3.891	-3.557	-3.224	-2.891	-2.55/	1	4000	000-1-	1.6224
23000	-4.227	-3.899	-3.564	-3.230	-2.897	12,554	-2.231	1.000	-1.500	11.20
24000	-4.230	-3.903	-3.570	-3.236	-2.903	-2.570	-2.237	-1.905	1/2011	1.230
25000	-4.236	-3.905	-3.578	13.742	-2.909	0,000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 1 1	2 4 C
26000	-4.241	606°E	-3.582	u .	-2.915	1,000.7	10 + 70 + 10 H	-1.913	11.000	11.050
2 7000	14.246	010	13.584	יון מיניט ניסיט	02000	000	10.00	-1.926	1.594	11.262
28000	102.4		10000	n n	026.0-	765.6	10.00	-1.931	-1.599	-1.267
	14.65	0000	10001	1	400.0H	2005	-2.269	-1.936	-1.603	-1.273
	-4.271	13.937	-3.604	-3.27z	-2.943	-2,612	-2.278	-1.945	-1.612	-1.278
0 0	-4.279	-3.946	-3.613	-3.280	-2.948	-2,623	-2.287	-1.954	-1.621	-1.290
000	-4.288	-3.954	-3.621	-3,288	-2.955	-2.627	-2.296	-1.962	-1.629	-1.297
38000	-4.295	-3,962	-3.629	-3.206	-2.963	-2,631	-2.306	-1.970	-1.637	-1.304
0000	-4.303	-3.970	-3.636	-3,303	-2.970	-2,637	-2.309	-1.978	-1.644	-1.311
42000	-4.310	-3.977	-3.643	0 m m m	-2.977	-2.644	-2.314	-1.986	-1.651	-1.318
4 4000	-4.317	-3.583	-3.650	-3,317	-2.984	2.650	-2.319	-1,993	-1.658	-1,325
46000	-4.323	-3.990	-3.656	-3.323	-2.990	-2-557	-2.324	-1.996	-1.005	-1. 331
8000	-4.329	13.996	-3.663	-3,329	-2,996	5005	12.330	0000	11.072	11.357
00000	-4.335	14.002	-3.668	0000 c	13.602	0000	10.340	10.01	11.687	11. 250
000	0400	14.01U	7000	ייים אינון קיים היינון	0.00	2002	698	0000	-1.697	-1.371
0 0	ייני	0 4 0 0 0	13.206	373	13.040	-2-706	-2.373	-2.040	-1.708	-1.379
00000	485.4-	14.050	-3.717	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3.050	-2-717	-2.384	-2.051	-1.718	-1.387
	4	-4.060	-3.727	466 m	-3.060	-2-727	-2.394	0	-1.728	-1.396
0000	4	-4.069	-3.736	-B 403	-3.070	-2.736	-2.403	-2.070	-1.737	-1.404
100	-4	-4.078	-3.745	-B 412	-3.078	-2-745	-2.412	-2.079	-1.746	-1.413
8	-4	-4.086	-3.753	-3 450	-3.087	-2,753	-2.420	-2.087	-1.754	-1.421
30	-4.428	O	-3.761	-3 428	-3.094	-2.761	4	6	92.	-1.429
000	-4.435	-	-3.768	-3.435	3.10	-2,759	4.4	0 1		-1.436
125000	•	461.44	-3.801	-3.467	-3.134	12.401	12.407	-2.134	10801-	-1-408
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ATOMI SPECIES : MG 4

-1.713 -1.722 -1.731 -1.747 -1.754 -1.761 -1.780 -1.786 -1.797 -1.695 -1.768 -1.831 -1.698 -1.880 -1.679 -1.695 -1.694 -1.692 -1.693 -1.739 -1.848 7.000 -1.693 -1.699-1.704 -1.709 -1.806 -1.822 -1.865 -1.872 -1.692 -1.857 -2 1112 -2 131 -2 141 -2=162 -2"189 6°00°9 -2=036 -2=094 -2=100 -2 106 -2 041 -2=181 12 374 12 3379 12 397 12 405 12 413 -2 300 -2 299 -2 297 -2 538 -2 546 -2 578 -2 604 5 000 -2"522 -2"531 -2=427 -2=369 -2=423 -2=514 -2.640 -2.646 -2.736 -2.739 -2.747 -2.768 -2.774 -2.779 -2.612 -2.622 -2.631 -2.674 -2.692 -2.702 -2.722 -2.754 -2.847 -2.911 -2.668 -2.805 -2.828 -2.872 4.000 -2.686 -2.712 -2,793 -2.817 -2.838 -2.864 -2.879 -2.661 -3.019 -3.025 -3.030 -3.065 -3.073 -3.080 -3.130 -3.107 -3.112 -3.139 -3.150 -3.161 -3.197 -2.946 -2.956 -2.964 -2.972 -3.037 -3.036 -2.994 -3.045 -3.053 -3.088 -3.094 -3,126 -3.180 3.000 -3.057 -3.189 -3.212 -2.987 -3.171 -3,297 -3,305 -3,313 -3,353 -3,358 -3,363 -3.368 -3.372 -3.374 -3.472 -3.483 -3.494 -3,398 -3.504 -3.538 -3.279 -3,327 -3.341 -3.427 -3.578 -3.320 -3,381 -3.390 -3.406 -3.414 -3.440 -3.446 -3.459 -3.522 -3.530 -3,421 -3.546 -3.700 -3.705 -3.714 -3.732 -3.739 -3.747 -3.639 -3,695 -3.760 -3,773 -3.805 0a0 -3.621 -3.793 -3.630 -3.661 -3.674 -3.680 -3,686 -3,690 -3.723 -3.855 -3,612 -3,654 -3,667 -3,694 -3,754 -3,827 -3,837 -3,847 -3.864 -3,871 -3.879 -3,937 -3.964 -3.972 -3.980 -4.106 -4.112 -4.126 -4.189 -4.094 -4.138 -0.000 -4.244 -4.023 -4.087 -3.994 -4.012 -4.015 -4.018 -4.029 -4.034 -4.038 -4.048 -4.057 -4.065 -4.073 -4.080 -4.180 -3.987 -4.001 -4.007 -4.171 -4.205 -4.161 -4.288 -4.288 -4.305 -4,333 -4.351 -4.357 -4.367 -4.381 -4.420 -4.472 -1.000 -4.320 -4,345 -4.413 14.440 4.445 -4.459 -4.530 -4.538 -4.578 -4.327 -4.340 -4.362 -4,358 -4.406 -4.433 464.4--4.504 -4.513 -4.522 -4.604 -4.700 -4.705 -4.714 -4.723 -4.731 -4.739 -4.747 -4.612 -4.621 -4.630 -4.653 -4.658 -4.660 -4.673 -4.679 -4.684 -4.690 -4.754 -4.773 -4.792 -4.847 -4.855 -4.911 -2 ·000 -4.638 -4.646 -4.695 -4.767 -4.667 -4.817 -4.827 -4.837 -4.863 -4.871 -4.879 S M C W •• ATOMIC SPECIES DEG KYLOG 75000 800000 85000 90000 100000 **)**

7.000	-1,852 -1,850 -1,850 -1,851 -1,851 -1,862 -1,862 -1,862 -1,862 -1,862 -1,862 -1,962 -1,975 -1,975 -1,996 -1,975 -1,996 -1,975 -1,996 -1,975 -1
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0 0 0 0	152 165 165 165 165 165 165 165 165
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T DEG K/LOG PE	11

-2,046 -2,053 -2,060 -2,066 -2.078 -2.089 -2.098 -1,996 -2,001 -2,006 -2,023 7.000 -2.039 -2.443 -2.453 -2.463 -2.481 -2.490 -2.497 -2.505 -2.537 0000.9 5.300 -3,323 -3,328 -3,333 3 000 -3.823 -3.830 -3.870 -3.896 - 3 986 - 3 987 - 3 993 - 4 993 - 6 99 1.000 -4.321 -4.326 -4.331 -4.340 -4.349 -4.357 -4.365 -4.379 -4.386 -4.392 -4.399 -4.418 -4.489 -4.497 -4.404 000.0--4.453 -4.463 -4.472 -4.445 .481 -4.673, -4.682 -4.690 -4.706 -4.654 -4.719 -4.726 -4.732 -4.738 -4.751 -4.764 -4.776 -4.786 -4.822 -4.830 -4.838 -4.870 -1.000 -4.664 -4.805 -4.796 -4.814 -5.148 -5.156 -5.164 -5.171 -5.203 -2.000 **9** H ATOMIC SPECIES DEG K/LOG -

1 D&G	DEG K/LOG PE	-2.000	-1.000	000-0-	1.000	2.000	3.000	4.000	5.000	000 9	7.000
340	_0°	-5.131	-4.798	-4.465	-4.131	-3.798	-3.465	-3.138	-2.805	-2.472	-2,139
360	00	-5.140	-4.806	-4.473	-4.140	-3.806	-3,473	-3.145	-2.813	-2.480	-2,147
380	■00	-5.147	-4.814	-4.481	-4.147	-3.814	-3.481	-3.148	-2,821	-2.488	-2 155
400	90	-5.155	-4.822	-4.488	-4.155	-3.822	-3.488	-3.155	-2.827	-2.495	-20162
42000	8	-5.162	-4.829	-4.495	-4.162	-3.829	-3.495	-3.162	-2.831	-2.502	-21169
440	00	-5.169	-4.835	-4.502	-4.169	-3,835	-3.502	-3.169	-2.835	-2.508	-2,176
460	■00	-5.175	-4.842	-4.508	-4.175	-3.842	-3,538	-3.175	-2.842	-2.514	-2, 182
480	00	-5.181	-4.848	-4.515	-4.181	-3.848	-3.515	-3.181	-2.848	-2.518	-2.188
500	00	-5.187	-4.854	-4.520	-4,187	-3.854	-3.521	-3,187	-2.854	-2.521	-2-194
550	00	-5.201	-4.867	-4.534	-4.201	-3.868	-3.534	-3,201	-2.868	-2.534	-24205
9	00	-5.213	-4.880	-4.547	-4.213	-3.880	-3.547	-3.214	-2.880	-2.547	-21214
650	■00	-5.225	-4.891	-4.558	-4.225	-3.892	-3.558	-3.225	-2.892	-2.559	-2,225
700	00	-5.235	-4.902	-4.569	-4.236	-3.902	-3.559	-3.236	-2,903	-2.569	-2,236
750	00	-5.245	-4.912	-4.579	-4.245	-3.912	-3.579	-3.246	-2,912	-2.579	-2.246
800	00	-5.255	-4.921	-4.588	-4.255	-3.922	-3.588	-3,255	-2.922	-2.589	-2,255
850	• 00 00	-5.264	-4.930	-4.597	-4.264	-3,930	-3.597	-3.264	-2,930	-2.597	-21264
006	■00	-5.272	-4.938	-4.605	-4.272	-3.939	-3,605	-3.272	-2.939	-2.605	-21272
950	8	-5.280	-4.946	-4.613	-4.280	-3.946	-3,613	-3,280	-2.946	-2.613	-2.280
1000	00	-5.287	-4.954	-4.620	-4.287	-3.954	-3.620	-3.287	-2.954	-2.621	-2.287
1250	00	-5.319	-4.986	-4.653	-4.319	-3.986	-3.653	-3,319	-2,986	-2.653	-2,320
150000	0 0	-5.346	-5.012	-4.679	-4.346	-4.012	-3.679	-3.346	-3.012	-2.679	-2.346

106 OF THE DEPRESSION OF THE CONTINIUM

AHOMIC SPECIEB : N	9 5 M									
T DEG K/LOE DS	-2.000	-1.000	000.0-	1.000	2.000	3.000	000° e	5.000	000*9	7.000
42000	-5.264	-4.931	-4.598	-4.264	-3.931	13.598	-3.264	-2 933	-2.605	-2.272
00044	3	4.038	-4.604	-4.271	-3.938	13.604	-3.271	-2 938	-2.611	-2.278
00094	-5.277	-4.944	-4.611	-4.277	-3.944	13.611	-3.278	-2 944	-2.616	-2,285
48000	-5.283	-4.950	-4.617	-4.284	-3,950	13.617	-3.284	-2 950	-2.620	-2.291
20000	-5.289	-4.956	-4.623	-4.289	-3.956	13.623	-3.290	-2 956	-2.623	-2.296
55000	-5,303	04.970	-4.636	-4.303	-3.970	13.637	-3,303	-2 970	-2.637	-2,308
00009	-5,316	-4.582	649.4-	-4.316	-3.982	649.61	-3,316	-2 983	-2.649	-2,316
65000	-5.327	-4.994	-4.660	-4.327	-3.994	13,661	-3,327	-2 994	-2.661	-2,328
20002	-5,338	-5.004	-4.671	-4.338	-4.005	-3.671	-3,338	-3 005	-2.672	-2.338
75000	-5.348	-5.014	-4.681	-4.348	-4.015	13.681	-3.348	-3 015	-2.682	-2,348
80000	-5,357	-5.024	-4.690	-4.357	-4.024	13.691	-3,357	-3 024	-2.691	-2,358
85000	-5.366	-5.033	-4.699	-4.366	-4.033	669 °E 1	-3,366	-3 033	-2.700	-2.366
00006	-5,374	-5.041	-4.707	-4.374	-4.041	13.708	-3.374	-3 041	-2.708	-2,375
00056	-5.382	-5.049	-4.715	-4.382	-4.049	13.715	-3,382	-3 049	-2.716	-2,382
10000	-5.389	-5.056	-4.723	-4.389	-4.056	-3.723	-3,389	-3 056	-2.723	-2.390
000001	5.422		-4.755	-4.422	-4.088	-3,755	-3.422	-3 088	-2.755	-2.422
1 50000	3		-4.781	-4.448	-4.115	13.781	-3.448	-3 115	.78	-2.448
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ATOMIC DECIES : N	MG10									
(1	6		000	-	000	o c	000	J. 000	0000	7.000
DEG ANTOG EN	000		•	3))				
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20000	-5.381	12.047	+° / 14	180	14.040	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000 m	n r	0 0 0	,
55000	-5.394	-5.061	-4.728	-4 395	-4.061	9 / 1 m	ָרְיָּרְיִיּרְיִיּרְיִיּרְיִיּרְיִיּרְיִיּרְיִיּרְיִיּרְיִיּ	n r	021.2	666
00009	-5.407	-5.074	-4.740	-4 407	-4.074	1 4 2 m 1	m. 407	d (0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	141.2-	204.0
65000	-5.419	5.085	-4.752	-4 419	-4.085	782 m1	₩.419	n i	75,152	14.41
70000	-5.429	950.3-	-4.763	-4 429	-4.096	19. 763	-M.430	0 0 0 0	-2.763	-2.430
75000	-5.439	-5.106	-4.773	-4 439	-4.106	E24 m1	m.440	901 m	-2.773	-2.440
80000	-5.449	-5.115	-4.782	-4 449	-4.115	19.782	- m • 4 4 9	9 1 1 m i	-2.782	12.449
85000	-5.457	-5.124	162.4-	-4 457	-4.124	162 ·m1	m.	m 1	-2.791	12.458
00006	-5.466	-5.132	662.4-	-4 466	-4.132	662 *M1	J. 465	n 1	66.69	004.00
00056	-5.473	-5.140	-4.807	-4 473	-4.140	208 *m	m.474	n i	200.0	4.4.4
1000001	-5.481		-4.814	-4 481	-4.148	* * * * * * * * * *	184.81	n i	14014	10.4
125000	-5.513	-5.180	-4.846	-4 513	-4.180	m	10.13.	n i	10.01	010.01
150000	-5,539	-5.206	-4.873	-4 539	-4.206	87	-B - 540	o N m 1	2/20/2	12.040
	,									
ATOMIC SPACIES N	MG11									
%a 904/> 9⊌0 ±	-2.000	-1 000	-0.000	1.000	2.000	3.000	000	2 000	6.000	7.000
125000	15.596	000 000 000 000 000	-4.929	-4.596	-4.263	-3,929	-3.596	-3.26B	-2.929	-2.596
150000	-5.622	15.230	-4.956	-4.622	-4.289	-3.956	-3.622	-3.29°	-2.956	-2.622

10.5955 10.5955 10.65955 10.6402 10.4402 7.000 10.8888 10.8888 10.8888 00011 -0.888 -0.888 00000 -1.004 -1.106 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.106 -1.116 -1.124 -1.133 -1.206 -1.122 -1.140 -1.155 -1.217 -1.224 -1.232 -1.242 -1.193 .248 -11.440 -11.458 -11.466 .407 .419 .430 -1 - 198 -11.436 -11.436 -11.4556 -11.4589 -11.503 -1.529 -1.538 -1.548 -1.559 -1.566 -1.643 -1.647 -1.655 -1.659 -1.582 -1.589 -1.603 -1.609 -1.527 -1.773 -1.782 -1.791 -1.807 -1.814 -1.846 -1.621 -1.616 -1.638 3.000 -1.596 -1.667 -1.770 -1.770 -1.807 -1.822 -1.839 -1.872 -1.881 -1.890 -1.899 -1.930 -1.936 -1.943 -1.955 -1.960 -1.966 -1.970 -1.974 -1.976 -1.915 -1.849 -1.983 -2.206 -1.949 -2.081 -2.104 -2.123 -2.151 -2.157 -2.169 -2,195 -2,204 -2,214 -2,232 -2,232 -2,232 -2.263 -2.270 -2.276 -2.248 -2.466 -2.473 -2.481 -2.513 1.000 -2.659 -2.659 -2.659 -2.667 -2.675 -2.708 -2.718 -2 -2.415 -2.437 -2.469 -2.474 -2.489 -2.614 -2.617 -2.620 -2.503 -2.631 -2.636 -2.640 -2.807 -2.814 -2.846 0000-0--2.860 -1.000 Z-974 -2 000 -3,269 -3.539 Ā PE 99 DICHIC SPECIES 341/X 550 254000 256000 27000 27000 39000 30000 75000. 80000. 85000. 90000 .00007

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ATOMIC SDECIES

-1.261 -1.407 -1.426

7.000

-1.455

-1.441 -1.469

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ATOMIC SPECIES

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ATOMIC SPECIES : AL	ю ы									
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36000	-5.140	-4.806	-4.473	-4.140	-3.806	-3.473	-3.145	-2.813	-2.480	-2.147
800		-4.814	-4.481	-4.147	-3.814	-3.481	-3.148	-2.821	48	-2,155
00004	-5,155	-4.822	-4.488	-4.155	-3.822	-3.488	-3.155	-2.827	•	-2.162
0	-5.162	-4.829	-4.495	-4.162	-3,829	-3,495	-3.162	-2.831	-2.502	-2.169
00044	-5,169	-4.835	-4.502	-4.169	-3,835	-3.502	-3.169	-2.836	-2.508	-2.176
4 6000	, mi	-4.842	-4.508	-4.175	-3.842	-3,508	-3.175	-2.842	-2.514	-2,182
■ 000g †	-5,181	-4.848	-4.515	-4.181	-3.848	-3.515	-3.181	-2.848	-2,518	-2.188
00008		-4.854	-4,520	-4.187	-3.854	-3.521	-3.187	-2.854	-2.521	-2.194
00000	-5,201	-4.867	-4.534	-4.201	-3.868	-3.534	-3.201	-2,868	-2.534	-2.205
00009	୍ଷ	-4.880	-4.547	-4.213	-3.880	-3.547	-3.214	-2.880	-2.547	-2.214
00000	-5.225	-4.891	-4.558	-4.225	-3,892	-3.558	-3,225	-2.892	-2,559	-2.225
70000	-5,235	-4.902	-4.569	-4.236	-3,902	-3.569	-3.236	-2.903	-2,569	-2.236
7 5000	-5.245	-4.912	-4.579	-4.245	-3.912	-3.579	-3.246	-2.912	-2.579	-2.246
00008	N	-4.921	-4.588	-4.255	-3.922	-3.538	-3.255	-2.922	-2.589	-2.255
0	C)	-4.930	-4.597	-4.264	-3.930	-3.597	-3,264	-2,930	-2.597	-2.264
■ 000066	5.2	-4.938	-4.605	-4.272	-3.939	-3,605	-3.272	-2.939	-2.605	-2.272
0	C)	-4.946	-4.613	-4.280	-3.946	-3,613	-3.280	-2.946	-2.613	-2.280
000	S	-4.954	-4.620	-4.287	-3.954	-3.620	-3.287	-2.954	-2.621	-2.287
125000	5.3	-4.586	-4.653	-4.319	-3.986	-3,653	-3,319	-2,986	-2.653	-2.320
000	m	-5.012	-4.679	-4.346	-4.012	-3.679	-3.346	-3.012	-2.679	-2.346
DIEMIC SWECIES : D	0									
T DAG KALPG PA	-2.000	-1.000	000	1.000	2.000	3.000	4 • 000	5.000	000	7.000
44000	-5.271	-4.938	-4.604	-4.271	-3.938	-3.604	-3.271	-2,938	-2.611	-2.278
46000	-5.277	-4.944	-4.611	-4.277	-3.944	-3.611	-3.278	-2.944	-2.616	-2,285
	-5.283	-4.950	-4.617	-4.284	-3.950	-3.617	-3.284	-2.950	-2.620	-2.291
50000	-5.289	-4.956	-4.623	-4.289	-3.956	-3.623	-3.290	0 -2.956	-2.623	-2.296
55000	-5,303	04.970	-4.636	-4.303	-3.970	-3.637	-3.303	-2.970	-2.637	-2,308
60000	-5,316	-4.982	-4.649	-4.316	-3.982	-3.649	-3,316	-2.983	-2.649	-2,310
65000	-5,327	456.4-	-4.660	-4.327	-3.994	-3.651	-3.327	-2.994	100.2	-Z. 5ZB
00002	-5.338	-5.004	-4.671	-4.338	-4.005	-3.671	-3.338	-3.005	2/0.2-	14.53B
75000	-5,348	-5.014	-4.681	-4.348	-4.015	-3.631	-3.348	-3.015	-2.682	-2.348
80000	-5.357	-5.024	-4.690	-4.357	-4.024	-3.691	-3,357	-3.024	-2.691	-2,358
00498	-5.366	-5.033	-4.699	-4.366	-4.033	-3.699	-3,366	13.033	-2.700	-2.366
00006	-5.374	-5.041	-4.707	-4.374	-4.041	-3.708	-3.374	-3.041	-2.708	-2.375
00056	-5.382	C)	-4.715	-4.382	-4.049	-3.715	-3.382	-3.049	-2.716	-2,382
100000	-5.389		-4.723	-4.389	-4.056	-3.723	-3,389	3,05	22752	12.590
800	4	57	001.4	724.4	990.4	3.73	13.466	220.51		10000
150000	-5.448	-5.135	-4.781	-4-448	-4.115	-3.781	-3.448	-3,115	-2.781	1 K • 4 4 8

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-2.728 -2.741 -2.752 -2.763 -2.782 -2.791 -2.799 -2.824 -2.835 -2.846 -3.005 -3.0HI -2.856 -2.847 -2.874 -2.929 000 6.000 -2.814 0.000.9 -2.897 -2.807 -2.890 -3.062 -3.074 -3.086 -3.116 -3.116 -3.124 -3.148 -3.180 -3.206 -3.157 -3.168 -3.179 -3,207 -3,338 -3.189 -3.096 -3,263 5.000 -3.140 5.000 -3.230 -3.223 2.000 -3.395 -3.407 -3.419 -3.522 -3.532 -3.540 -3.549 -3.449 -3.481 -3.513 -3.540 -3.490 -3.672 -3.474 -3.596 -3.430 4.000 -3.440 -3.466 4.000 -3.512 -3.556 -3.564 4.000 -3.728 -3.741 -3.752 -3.763 -3.782 -3.846 13. 11.2 M -3 890 -3 929 -3 956 3 000 3 000 -4.005 3.000 -3.773 -3.799 -3.814 -4.0 mi -3.837 -4.106 -4.115 -4.124 -4.132 -4.148 -4.180 -4.206 2.000 -4.085 -4.096 -4.140 -4.38 -4.065 000° a 000°N 000 -4.395 -4.473 000 -4.513 -4.539 -4.449 -4.419 -4.429 14.439 14.466 -4.457 1.000 14.481 -4.752 -4.773 -4.782 -4.791 -4.814 -4.846 -4.873 -5.005 -4.823 -4.835 -4.845 -4.865 -4.929 000.0 662.91 -4.807 -0.000 -4.890 00000--4.882 -4.897 w A -5.157 -5.189 -5.198 -5.207 -5.215 -5.263 -5.263 -5.289 -5,338 0 -1.000 -5.179 -1.000 -5.223 7 -5.394 -5.407 -5.419 -5.457 -5.466 -5.473 -5.522 -5.531 -5.540 -5.548 -5.439 -5.481 -5.513 -5.539 -5.490 -5.501 -5.512 -5.556 -5.564 -5.596 -5.596 -5.671 -2.000 -2.000 -2.000 -5.429 A-10 AL 12 **A**A 1 1 W Sa 557/Y aso ÐΕ ATOMIC SPECIES : ATOMIC SPECIES : ATOMIC SPECIES : DEG KALOG DEG K/LOG 100000 65000 65000 750000 850000 95000 25000 125000 125000. 150000. H

PTOMIC SPECISS : SI 1

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יו	6		ķ.	***	***	****	***	***	****	****
1 1	9 0	-2,712	1 0	-2,021	-1.612	****	***	***	***	***
m	• 0 55	1,44	2.40	-2.055	-1.719	-1.272	****	****	***	***
m	.082	-2.748	-2.415	-2.081	-1.748	-1.409	*	***	****	* * * * * *
E,	101.	-2.755	-2.437	-2.104	-1.770	-1.436	-1.198	***	***	* * * * * *
Lij	.123	-2.791	-2.469	-2,123	-1.790	-1.456	-1.198	-0.888		****
in i	.140	-2.807	-2.475	-2.151	-1.80/	-1.480	1080	11.004	* * * * * * * * * * * * * * * * * * * *	****
7 1	761.	7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 T C T	-2-170	-1.839	-1.503	-1.198	1.00	50	***
) M	282	20.00	-2.517	-2,182	-1.849	-1.522	-1.198	-1.004	-0.595	-0.152
ń	193	-2.860	-2.527	-2,195	-1.860	-1.529	-1.198	-	-0.595	-0.402
44	.204	-2.871	-2.538	-2.204	-1.870	-1.538	-1.204	-1.106	-0.595	-0.595
10	.214	-2.881	-2.548	-2.214	-1.881	-1.547	-1.217	-1,106	-0.595	-0.595
m	.223	-2.890	-2.557	-2.224	-1.890	-1.556	-1.224	-1.106	-0.754	-0.595
3	.232	-2.899	-2.566	-2.232	-1.899	-1.559	-1.232	• 10	-0.754	-0.595
3	(A	-2.907	-2.574	-2.241	-1.907	-1.574	-1.240	0.	-0.754	-0.595
1	CV.	-2.915	-2.582	-2.248	-1.915	-1.582	-1.252	-1.106	-0.754	-0.595
IJ	(Ų	-2.922	-2.589	-2.256	-1.922	-1.589	-1.258	-1.106	-0.754	-0.595
l M	CV.	-2.929	-2.596	-2.263	-1.930	-1.596	-1.264	01.	-0.754	-0.595
l,	C)	-2.935	-2.603	-2.270	956.1-	-1.603	-1.270	9	10.754	10.090
ľ	Ŋ	-2.938	-2.609	-2,276	-1.943	-1.609	-1.276	-1:106	-0.754	060.01
3	ď	-2.942	-2.614	-2,282	-1.949	-1.616	-1.282	-1.106	467.0-	-0.590 0.00
1	ď	-2.948	-2.617	2.288	200.1-	120-1-	11.288	-1.100	-0.70 -0.70	-0.595
ו ו	N C	0000001 000001	12.625	12,296	-1.966	-1.633	-1.299	-1.106	-0.754	-0.595
, ;	9 0	600°C-	-2.631	-2.297	-1.970	-1.638	-1.304	-1.198	-0.754	-0.595
ï	ı m	12.969	-2.636	-2,302	-1.974	-1.643	-1.310	-1.198	-0.754	-0.402
ì	Tr.)	-2.974	-2.640	-2,307	-1.976	-1.647	-1.314	-1.198	-0.754	-0.402
7	ന	-2.983	-2.650	-2,317	-1.983	-1.655	-1.324	-1.198	-0.888	-0.402
ï	L.	-2.992	-2.659	-2,325	-1.992	-1.659	-1.332	-1.198	-0.888	-0.402
ï	'n	-3.000	-2.667	-2,334	-2.000	-1.667	-1.338	-1.198	-0.888	-0.402
ï	u.	-3.008	-2.675	-2,341	-2.008	-1.675	-1.341	-1.198	-0.888	-0.402
1	ď.	13.015	-2.682	V 40. 00 1	0100	7.095	110047	11.198	000	10.400
, ,	3 6	22005	600.71	-2.362	-2.029	-1.696	-1.363	-1.198	-0.888	-0.402
1	2 17	-3.035	-2.702	-2,369	-2.036	-1.702	-1.369	-1.198	-0.888	-0.595
1	m	-3.042	-2.708	-2,375	-2.042	-1.708	-1.375	-1.198	-0.888	-0.595
Ţ	'n	-3.047	-2.714	-2,381	-2.048	-1.714	-1,381	-1.198	-0.888	-0.595
i,	ι,	-3.061	-2.728	-2,395	-2.061	-1.728	-1.395	-1.198	-0.888	-0.595
3	4	-3.074	-2.740	-2.407	-2.074	-1.741	-1.407	-1.198	-0.888	-0.595
'n	4	-3.065	-2.752	-2.419	-2.085	-1.752	-1.419	61.	-0.888	-0.595
n	4	950.5-	-2.763	-2.429	-2.096	-1.763	•	-1.198	-0.888	-0.595
3	4	-3.106	-2.773	-2.439	-2.106	-1.773	-1.440	-1.198	.88	-0.595
1	4	-3-115	-2.782	-2.449	-2.115	-1.782	-1.449	61.	-1.004	+0.595
i.	4	-3.124	-2.791	-2.457	-2.124	-1.791	-1.458	-1.198	00.	-0.595
ï	4	-3,132	-2.799	-2.466	-2.132	• 73	.46	-1:198	8	-0.595
1	4	3.1	-2.807	-2.473	2.14	80	-1.474	-1.198	00	0.59
	4	3.1	QI.	12.	7	50	194.1	-	~ .	10.095
1	3.513	-3.180	a	Λ.	-	040	-1.513	-1.198	-1.004	-0.59
וו	ຜ	3.206	-2.873	-2.539	-2.200	-1.873	-1.539	-1.206	-1.100	0,00

7.000

-1.004 -1.004 -1.004 -1.106 -1.106 -1.106 -1.106 -1.106 -1.106 -1.106 -0.888 -1.004 -0.888 -0.888 -0.888 -0.888 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.004 -1.233 -1.238 -1.242 -1.251 -1.260 -1.269 -1.277 -1.449 -1.198 -1.128 -1.139 -1.167 -1.176 -1.184 -1.204 -1.208 -1.213 -1.219 -1.284 -1.343 -1.306 -1.327 -1,330 -1.365 00009 -1.159 -1.191 -1.247 -1.299 -1.313 -1.676 -1.698 -1.726 -1.507 -1.518 -1.532 -1.552 -1.558 -1.563 -1.568 -1.320 -1.451 -1.618 2.000 -1.404 -1.472 -1.483 -1:492 -1.574 -1.579 -1.583 -1.593 -1.601 -1.610 -1.625 -1.627 -1.638 -1.644 -1.650 -1.664 -1.547 -1.631 -1.784 -1.819 -1.934 -1.958 -1.997 -2.009 -2.021 -2.051 -1.926 -1.834 -1.866 -1.884 -1.896 -1.944 -2.032 -1.757 -1.806 -1.842 -1.854 -1.860 -1,872 -1.878 -1.890 -1:901 -1.907 -1.912 -1.917 -1.940 -1.951 -1.971 -1.977 -1,983 -2.042 -2.068 -2.075 -2.083 -2-198 -2 218 -2 224 -2 229 -2 235 -2 375 -2 384 -2 393 -2 401 -2 416 -2 416 -2 449 -2 475 -2=257 -2=261 -2=291 3 000 -2-191 -2.310 -2,330 -2 355 -2-184 -2 205 -2 211 -2=240 -2=245 -2=249 -2=269 -2=277 -2=284 -2=298 -2=304 -2,316 -2,343 -2,354 12.516 12.683 12.6883 12.708 -2.602 -2.638 -2.34 -2.717 -2.726 -2.734 -2.742 -2.782 -2.782 -2=350 -2=372 -2=392 -2.424 -2.617 -2=322 -2.631 -2.858 -2.865 -2.872 -2.878 -2.884 -2.890 -2.895 -2.898 -2.904 -2.909 -2.919 -2.965 -2.971 -2.977 -3.083 -3.115 -3.142 -2.684 -2.759 -2.772 -2.784 -2.795 -2.817 -2.843 -2.936 -2.943 -2.951 -2.958 -2.983 -3.009 -3.041 -3.068 -3.031 -3.051 -3.059 -3.076 -2.657 -2.834 1.000 13.243 13.243 13.243 13.261 13.261 13.261 13.277 13.284 -3.316 -3.316 -3.316 -3.409 -3.416 -3.448 -3.168 -3.176 -3.184 -3.222 -3.222 -3.227 -3.227 -3.375 -3.039 -3.150 -3.205 -3.342 -3.401 -3.071 -3.091 -3.198 -3,365 -3.393 -0.000 -3.130 -3.140 -3.117 -3.191 -3.555 -3.561 -3.566 -3.602 -3.610 -3.617 -3.698 -3.708 -3.742 -3.750 -3.782 -3.808 -3.571 -3.576 -3.585 -3.594 -3.644 -3.676 -3.531 -3.537 -3.540 -3.544 -3,501 -3.517 3.734 -3.314 -3,350 -3.424 -3.438 -3.483 -3.638 3.726 -1.000 -3.393 -3.663 -3.40g 3.452 -3.462 -3.624 -3,631 -3.473 -3.904 -3.909 -3.918 -3.725 -3.742 -3.757 -3.943 -3,983 -4.009 -3.684 -3.784 -3.816 -3.850 -3.889 -3.977 -4.031 -2.000 -3.834 -3.877 -3.899 -3.927 -3.935 -3.958 -3.964 -4.059 -4.068 -3.806 -3.843 -3,863 -3.864 -3.871 -3,883 -3.971 -4.051 P DEG K/LOG 80000 85000 90000 95000 125000 70000 21000 340.00 22000 30000 32000 -

25

ATOMIC SPECIES

LOG OF THE DEPRESSION OF THE CONTINUM

ATOPIC SPECIES : S	E II									
T DEG K/LDG PE	0 0 8 1	-1 °000	0000	1.000	2.000	3.000	4 • 000	0 00 10	0 4 0	7.000
• 0000 m	-3.955	-3.620	-3,318	*	***	*	** ***	* *	*	
	Ċ,	-3.666	-3.301	-2.995	-2.654	****	** ****	***		* ***
£000G	0	-3.707	-3.359	-3.036	-2.706	2 330	** +**	** ***	* **	× ***
0009	4	-3 702	1 .369	∾ .	-2 731	-2 387	***	* **		* * * * * * * * * * * * * * * * * * * *
2000	4 O (642 81	10.391	M I	-2 725	-2 427	-2.082	本が中国を受験	*	* * * * * *
0008	4. 4 D. 0	1 (40	n r T	-0.00 m	10 761	12 4 4 10	12 113	100 11		****
o	o .•	101	n r	13.103	0 0	7 4 6	10 10 1	022-1-		***
	125	062	1	-3.124	12 79 E	12 457	-2-123	-1=790		****
200	*	m 904	-W-469	-3.136	-2 803	-2 476	-2 136	-1=803	-1.469	-1.106
0		\$18 E1	-3.482	-3.147	-2 814	-2 483	-2 148	-1=814	-1.480	-1.198
0	-4 158	928 m 1	-3.492	-3.160	-2 824	-2 492	-2 158	I I 825	-1.491	-1.198
500		SE8 E1	-B.502	-3,169	-2 839	-2 501	-2,171	-1-835	-1.502	-1.198
96	-4 -178	4480 E) U	u mean	-3.178	-2 846 -2 846	-2 511	-2 179	1 1 3 4 4	-1.511	-1.198
0000	-	7 1 0 0 0 n 1		13.106	100 01	00%	100	, S	-1.528	-1-198
	; d	1 0 00 n r.	13.00 000 000 000 000	-3.203	12 869	-2 537	2 205	-1-870	-1.536	-1.203
0000	1 (1)	228 m 1	-3.543	-3.210	-2 877	12 544	-2 212	-1-87H	-1.543	-1.210
21000	4	13 864	13.550	-3.217	-2 884	-2 551	-2 218	-1.885	-1.556	-1.217
0	-4 217	168 21	-3.557	-3.224	-2 891	-2 557	-2 224	-1.894	-1.560	-1.224
0	-4 223	258 E1	-3.564	-3.230	-2 897	-2 554	-2 231	-1-899	-1.565	-1.230
Z4000	2	-3.89e	015 m	-3.236	-2.903	-2 570	-Z 237	-1.905	-1.571	-1.236
000SZ	2.4	-3.902	825°m1	-3.242	-2.909	-2 576	-Z 242	016.1-	-1.578	1.242
00001	ď.	706°E	m i	13.00	2000	12 531	7 248	-1.915	11.500	11.0740
00027	•)	n r	3 061	2000	000	7 2 2	11.026	4.68.4	-1.262
0000	14.255	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ក 00 ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ	-3.262	-2.931	-2 597	-Z 264	-1.931	-1.599	-1.267
# 00000 m	9	3.926	-3,595	-3_261	-2.938	-2.602	-2.269	-1.936	-1.603	-1 273
32000	4 . 2	-3.937	-3.604	-3 271	-2.943	-2.612	-2.278	-1.945	-1.612	-1 278
34000		-3.946	-3,613	-3, 280	-2.948	-2.623	-2.287	-1.954	-1.621	-1 290
36000	Ŋ.	-3.954	-3,621	-3 283	-2.954	-2.627	-2.296	-1.962	-1.629	-1 297
38000	Q I	13.962	-3,629	-3.296	-2.962	-2.631	-2.306	-1.970	-1:037	1 304
0	-4.303	-3.970	13.636	-3 303	2.970	12.00 A	2.309	11.978	11,044	110 11
	14.010	- 00 m	4 6 50	210 010	2.083		12.31	11.003	1.000	1 325
	14.323	00000	3.656	-3.323	-2.990	-2.657	-2,324	-1.996	-1.665	-1 331
800	1	960-6-	13.663	-3 329	-2.996	-2.663	-2 330	-2.000	- 672	-1.337
\$000g	-4,335	14.02	₹3.668	-3 335	-3.002	-2.669	-2 336	-2.004	6.29	-1.343
55000	-4.349	-4.015	-3.682	-3 349	-3.016	-2.682	-2 349	-2.017	687	-1,355
•00009	-4,361	14.028	-3.695	-3 361	-3.028	CA.	-2 362	-2.029	269.	-1.371
65000	-4,373	040.4-	13.706	-3 373	-3.040	Q	-2 373	-2.040	708	-1.379
10000	il i	14.050	-3.717	384	-3.050	o o	-2 384	2.051	1.718	-1.387
*0005	(2)	4.060	-3.727	466 61	-3.060	N (-2 394	100.71	1.72	060.1
•00008	4	000.	ו מי	13 403	0.000	21	12 403	0.00		11:404
• 0000 de	74.41	0000	-3.745 -3.752	4 to 1	13.018	10.743	10.4.01	V = 0 - 0 - 1	7540	-1.421
	•	, ~	א ני	e d) (12.22	10		-1,761	-1.429
• 00000	4	-4 102	א ניו	i m	3.10	2.76	-2.435	-2 102	• 76	-1.436
250	4	- 4	, m	-3.467	3.13	N	46	-2.134	000	0
150000	-4.494	4) M	4.49	m	00	l (N	-2.160	Zn.	m

ATOMIC SPECIES : SI 4

r deg K/LdG PE	-2.000	1.000	000.0-	1.000	2.000	3.000	4 -000	2.000	000.9	7.000
5000	-4.300	-3.957	-3.609	-3.286	-2.956	ທ	***	****	***	***
• 0009	-4.340	356.8-	-3.660	-3,323	-2,981	-2 637	* *	***	***	***
7000	-4.308	666.5-	69	-3,350	•	►.	33	*	***	****
8000	-4.327	-3.994	-3.673	-3.385	-3.037	-2=700		6•1	***	****
• 0006	-4.344	-4.011	•67	-3,355	၀	-2=720	• 38	Ň.	* ·	***
10000.	-4.359	-4.027	69	36	-3.039	-2=750	40	ผ่		***
11000.	-4.374	-4.040	970	-3.374	ô	-2=729	. 42	•04	-1.730	¥.
12000.	-4.386	-4.054	-3.719	-3,386	-3.053	-2"719	-2.426	5.09	-1.751	2
13000.	-4.398	-4.064	-3.732	-3.397	-3.064	-2 731	4.	111	-1.761	٠
14000.	-4.408	-4.075	-3.742	-3.410	-3.074	-2 742	4	-	-1.777	٠
15000.	-4.418	-4.085	-3.752	-3.419	0	-2 751	.42	01.		
16000.	-4.428	-4.094	-3.761	-3.428	-3.096	-2 761	-2.429	-2.105	-1.812	
17000.	-4.436	-4.103	-3.770	-3.436	01.	-2 773	-2.436	2.10	-1.804	•
18000.	-4.445	-4.111.	-3.776 m	-3.445	11.	-2 779	-2.444	-2.114	-1.799	٠
19000.	-4.452	-4-119	-3.786	-3.453	7	-2,786	.45	-2.120		•
20000	-4.460	-4.127	-3.793	-3.460		-2-794	4	-2.127	-1.793	-1.504
21000.	-4.468	-4.134	-3.800	-3.467	7	-2=800	•	-2.135		٠
22000.	-4.475	-4.141	-3.807	-3.474	7	-2=807	-2.474	-2.144	-1.810	
23000.	-4.477	-4.149	-3.814	-3.480	-3.147	-2 814	-2.480	-2.149	٠	
24000•	-4.480	-4.153	-3.820	-3.486	-3.153	-2 820	• 48	-2.154	-1.821	-1.486
	-4.485	-4-155	-3.828	-3.492	-3.159	-2 826		-2.160	.82	
26000.	-4.491	-4.159	-3.832	-3.498	-3.165	-2 831	-2.498	-2.165		•
27000.	-4.496	-4.163	-3.834	-3.505	-3.170	-2 937		-2.170	۰	•
28000.	-4.501	-4.168	-3.837	-3.511	-3.175	-2 842	•	-2.176		•
29000•	-4.506	-4.173	-3,841	-3,512	-3.181	-2 847	•	-2.181	.84	-1.517
30000	-4.511	-4.178	-3.845	ιŭ	7	-2,852	•	-2.185	-1.853	-1.523
32000.	-4,521	-4.187	-3.854	. 52	7	-2=852	ស្វ		-1.862	-1.528
34000.	-4.529	-4.196	-3.863	•	-3.198	-2=873		-2.204		-1.540
36000.	-4.538	-4.204	-3.871	-3.538	-3.205	N.	2.54	-2.212	.87	-1.547
38000.	-4.545	-4.212		54	-3.212		ហ្វ	-2.220	88	
40000	-4.553	-4.219	-3.886	-3.553	-3.220	N	å	ત ત	-1.894	٠
42000.	-4.560	-4.227	-3,893	-3.560	-3.227		•	໙		-1.568
44000.	-4.567	-4.233	-3.900	-3.567	.233	-2 900	۰	ď	-1.908	•
46000•	-4.573	-4.240		-3.573	•240	-2 907	-2.574	0	٠	•
48000•	-4.579	-4.246	•		•246	-2 913	ò	C)	. 92	•
50000.	-4.585	-4.252	-3.918		3,252	-2 919	ູ້	-2.254	•	
55000.	-4.599	-4.265	-3.932		•266	-2 932	-2.599	N I	-1.937	-1.605
•00009	-4.611	-4.278		.61	.278	-2 945	-2,612	-2.279	-1.947	• 62
65000.	-4.623	-4-289	•	-3.623	.290	-2 956	-2.623	•	95	•
10000	-4.633	-4.300	-3.967	-3.634	30	-2=967	•	N	•	٠
75000.	-4.643	-4.310	•	.64	3	-2 =977	49.	.31		•
80000	-4.653	-4.319	-3.986	-3.653	-3,320	96	• 65	• 32	96.	-1.654
85000.	-4.661	-4.328	-3.995	-3.662	•32	(n	• 66	W	66.	
• 00006	-4.670	-4.336	-4.003	.67	.33	-3 003	•67	E C	-2.004	-1.671
95000•	-4.677	-4.344	-4.011	.67	•34	0	.67	2.34	2.01	-1.678
1000001	-4.685	-4.352	-4.018	-3.685	30	0	-2.685	2.35	0 0	-1.686
125000.	-4.717	-4.384	-4.051	-3.717	33	0	•71		0	-1.718
150000.	-4.744	-4.410	-4.077	-3.744	-3.410	-3 077	-2.744	-2.410	-2.077	-1.744

7.000

-1.741 -1.748 -1.755 -1.769 -1.759 -1.839 -1.848 -1.857 -1.787 -2.006 -1.997 -1.993 -1.993 -1.995 -1.995 -2.002 -2.009 -2.015 -2.025 -2.025 -2.033 -2.038 -2.042 -2.047 -2.056 -2.056 -2.064 -2.080 -2.088 -2.102 -2.108 -2.116 -2.171 00009 -2.122 -2.245 -2.162 -2.197 -2.213 -2.141 -2.151 -2.271 -2.288 -2.309 -2.389 -2.397 -2.406 12.421 12.430 12.436 12.4440 12.4444 -2.450 -2.472 -2.484 -2.594 -2.504 -2.514 5.000 -2.608 -2,616 -2.680 -2.686 -2.692 -2.697 -2.702 -2.708 -2.722 -2.733 -2.753 -2.753 -2.753 -2.762 -2.762 -2.762 -2.762 -2.763 -2.828 -2.838 -2.847 -2.805 -2.864 -2.872 -2.879 -2.911 4 .000 -2.793 -2.855 -2.936 -2.946 -2.956 -2.954 -3.070 -3.075 -3.081 -3.088 -2.987 -2.987 -3.001 -3.094 -3.100 -3.112 -3.126 -3.150 -3.150 -3.161 -3.171 -3.180 -3.189 -3.197 -3.205 -3.212 3.000 -3,056 -3.244 -3.067 -3.270 -3.279 -3.297 -3.297 -3.313 -3.320 -3.328 -3.334 -3.341 -3.364 -3.369 -3.375 -3.381 -3.353 -3.358 -3.392 -3.399 -3.406 2.000 -3.504 -3.530 -3.427 -3.387 -3.421 -3.440 -3.446 -3.459 -3.472 -3.483 -3.522 -3.578 -3.604 -3.494 -3.715 -3.726 -3.732 -3.732 -3.739 -3.764 -3.764 -3.767 -3.773 -3.805 -3.805 -3.887 -3.887 -3.567 -3.602 -3.612 -3.621 -3.630 -3.646 -3.654 -3.661 -3.668 -3.686 -3.686 -3.692 -3.699 -3.705 -3.706 1.000 -3,593 -3.879 -3.864 -3.871 -4.112 -4.126# -3.901 -3.935 -3.945 -3.955 -3.964 -3.980 -3.987 -3.994 -4.037 -4.036 -4.034 -4.048 -4.057 -4.065 -4.073 -4.087 -4.094 -4.100 0000-0--3.925 -4.001 -4.026 -4.138 -4.161 -4.171 -4.180 -4.189 -4.197 -4.080 -4.014 -4.106 -4.021 -4.212 -4.244 -4.236 -4.247 -4.258 -4.279 -4.288 -4.297 -4.305 -4.362 -4.367 -4.372 -4.459 -4.398 -4.427 -4.483 -4.504 -4.513 -4.522 -1.000 14.530 14.538 14.545 -4,353 -4.406 -4.357 -4.381 -4.413 -4.445 -4.472 -4.494 -4.420 -4.440 -4.578 -4.604 -4.580 -4.580 -4.591 -4.747 -4.754 -4.760 -4.767 -4.773 -2.000 -4.805 -4.827 -4.863 -4.817 -4.855 74.847 -4.879 ហ 15 PE ... SHIJHOS 08G X/LOS 150000 170000 170000 200000 220000 24000 25000 14000 27000. 28000. 29000. 32000. 34000. 36000. 40000. 70000. 75000. 80000. 44000. 48000. 50000. 90000. 12000. 125000. 550000 00009 65000 42000. .00000 ATOMIC

-1.704 -1.709

-1.722

-1.872

-1.865 -1.880

-1.815 -1.822 -1.831

-1.693

-1.699 -1.695

-1.698

-1.692 -1.692 -1.693

-1.695

TOMIC SPECIES : S	o Is									
T DEG K/LOG PE	0000 × N −	000	0 0 0 0	1 • 000	8.000	000° m	000	0000	0000	7 000 • 1
19000•	-4.805	-4.471	-4.138	-3.805	-3.471	-3,138	12 805	-2.472	-2 151	-1.854
20000	-4.812	4.479	-4.145	-3,812	-3.479	-3.145	12 812	-2.480	D	-1.856
21000.	-4.817	-4.486	-4.152	-3.819	-3.486	-3,153	12 819	-2.487	-2=153	-1.852
22000.	-4.819	-4.492	-4.159	-3,826	-3.493	-3,159	-2 ■826	-2.493	-2-160	-1.850
23000.	-4.825	-4.495	-4-165	-3.832	-3.499	-3.166	-2=832	-2.499	-2 167	-1.850
24000•	-4.831	-4.498	-4.170	-3.838	-3.505	-3,172	F2■839	-2.505	-2 174	-1.851
25000.	-4.837	-4.504	-4-173	-3.844	-3.511	-3.178	-2 844	-2.511	-2=179	-1.854
26000.	-4.843	-4.509	-4.176	-3.849	-3,517	-3.183	-2 850	-2.517	-2=183	-1.851
27000.	-4.848	-4.515	-4.182	-3.852	-3.522	-3.189	-2 855	-2.522	-2 189	-1.857
28000	-4.853	-4.520	-4.187	-3.854	-3.527	-3.194	-2 861	-2.528	-2 194	-1.862
29000	-4.859	-4.525	-4.192	-3.859	-3.530	-3.199	-2,866	-2,533	-2 199	-1.868
30000	-4.863	-4.530	-4.197	-3.864	-3.532	-3,204	-2=871	-2.537	-2=,204	-1.872
32000.	-4.873	-4.539	-4.206	-3,873	-3.540	-3,211	12 880	-2.547	-2 214	-1.880
34000	-4.881	-4.548	-4.215	-3.882	-3.548	-3.215	888 21	-2.555	-2 222	-1.889
36000	-4.890	-4.556	-4.223	-3.890	-3.557	-3.223	12 895	-2.554	-2 .230	-1.897
38000	-4.898	-4.564	-4.231	-3,898	-3.564	-3,231	868 71	-2.571	-2=238	-1.905
40000	-4.905	-4.572	-4.238	-3.905	-3.572	-3.238	12 905	-2.577	-2=246	-1.912
42000.	-4.912	-4.579	-4.245	-3.912	-3.579	-3.245	216 2-	-2.581	-2 252	-1.919
44000	-4.919	-4.585	-4.252	-3.919	-3.585	-3.252	-2 ∎919	-2.586	-2 259	-1.926
46000•	-4.925	-4.592	-4.259	-3.925	-3.592	-3.259	12=925	-2,592	-2 264	-1.932
48000	-4.931	-4.598	-4.265	-3.931	-3.598	-3,265	-2=931	-2.598	-2 .268	-1,938
50000	-4.937	-4.604	-4.271	-3.937	-3.604	-3,271	-2 937	-2.60.4	-2 - 271	-1.944
55000.	-4.951	-4.618	-4.284	-3.951	-3.618	-3.284	⁻ 2 951	-2.618	-2.285	-1.955
•00009	-4.963	-4.630	-4.297	-3.964	-3.630	-3.297	-2 964	-2.630	-2.597	-1.964
65000.	-4.975	-4.642	-4.308	-3.975	-3.642	-3,309	2 975	-2.642	-2 • 309	-1.975
70000	-4.986	-4.652	-4.319	-3.986	-3.653	-3,319	12 986	-2.653	-2.320	-1.986
75000	-4.996	-4.662	-4.329	-3.996	-3.662	-3,329	_5∎886	-2.663	-2.330	-1.996
80000	-5.005	-4.672	-4.338	-4.005	-3.672	-3,338	3000	-2.672	-2,339	-2.006
85000	-5.014	-4.680	-4.347	-4.014	-3.680	-3.347	13=014	-2.681	-2.348	-2.015
• 00006	-5.022	-4.689	-4.355	-4.022	-3.689	-3,355		-2.689	-2.356	-2.023
95000	-5.030	-4.696	-4.363	-4.030	3*69e	-3,363	020 61	-2.697	-2.364	-2.031
100000	-5.037	-4.704	-4.371	-4.037	-3.704	-3,371	3 037	-2.704	-2.371	-2.038
125000.	-5.069	-4.736	-4.403	-4.069	-3.736	-3.403		-2.736	-2.103	-2.070
150000.	960.5-	-4.762	-4.429	-4.096	-3.762	-3.429	960 €	-2.763	-2.429	-2.096

-2,323 -2,328 -2,333 -2.347 -2.372 -2.379 -2.386 -2.393 -2.402 -2.418 -2.473 -2.490 -2.537 -2.338 -2,398 -2.443 -2.453 -2.463 -2.505 6.000 -2.806 -2.815 -2.823 -2.831 -2.711 -2.711 -2.715 -2.732 -2.738 -2.752 -2.764 -2.787 -2.656 -2.661 -2.666 -2.689 -2.726 -2.776 5.000 -2,697 -2.681 -3.046 -3.053 -3.059 -3.065 -3.071 -3.085 -3.098 -3.130 -3.139 -3.148 -3.156 -2.989 -2.995 -3.000 -3.005 -3.014 -3.022 -3.029 -3.039 -3.171 -3.109 -3.120 -3.164 -3.203 4.000 -3,405 -3,418 -3,323 -3,328 -3,333 -3.345 -3.349 -3.357 -3.357 -3,379 -3,386 -3,392 -3.472 3.000 -3.442 -3.453 -3.463 -3.439 -3,431 -3.497 -3.713 -3.719 -3.726 -3.732 -3.738 -3.752 -3,764 -3.786 -3.796 -3.806 -3,838 -3.870 2.000 -3.823 -3.830 -13.9937 -13.9937 -14.007 -14.003 -14.003 -14.003 -14.003 -14.003 -14.003 -14.003 -14.003 -14.003 -4.120 -4.130 -4.139 -4.230 -4.109 000 -4.156 -4.164 -4.379 -4.386 -4.392 -4.399 -4.442 -4.453 -4.463 -4.321 -4.340 -4.349 -4.357 -4.365 -4.404 -4.431 -4.472 -4.489 -4.504 -4.537 -4.563 -0.000 -4.316 -4.331 -4.698 -4.706 -4.713 -4.719 -4.732 -4.738 -4.751 -4.764 -4.776 -4.838 -4.870 -4.664 -4.673 -4.682 -4.690 -4.805 -1.000 -4.654 -4.659 -4.822 -4.830 -5.046 -5.053 -5.059 - 55.085 - 55.097 - 55.120 - 55.120 - 55.120 - 55.120 - 55.120 - 55.120 - 55.120 - 55.120 - 55.120 - 55.120 -4.992 -4.997 -5.007 -5.015 -5.024 -5.065 -2.000 -5.039 Ä •• TOMIC SPECIES DEG AZLOG l-x

-2.046 -2.053 -2.060

-2.066

-2.039

-2.023 -2.031

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7.000

-2.072 -2.078 -2.089 -2.098 -2.109 -2.130 -2.130 -2.148 -2.156 -2.156 -2.156

pToMIC SPE<IES : SI 8

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T DSG K/LOG PE	m 4 4 4 4 4 8 8 8 9 9 6 7 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

ATOMIC SPECIES : SI 9

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T DEG M/LOG PS	4 4 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ATEMIC SPEC S: S T DEG K/LOG PE 550001 600001 700001 750001 850001 950001 1250001

-2.616 -2.624 -2.632 -2.640 -2.672 -2.598 7.000 7.000 -2.949 -2.958 -2.965 -2.973 -2.835 -2.846 -2.856 -2.865 -2.8874 -2.8820 -2.890 -2.929 -3.005 -2.931 00009 0.000.9 5_000 5_000 -3.598 -3.607 -3.616 -3.624 -3.632 -3.639 -3.639 -3.502 -3.512 -3.522 -3.532 -3.5340 -3.5340 -3.556 -3.556 -3.556 -3.556 -3.556 4.000 4.000 931 931 931 931 931 931 931 3_000 3_000 14.264 14.274 14.282 14.291 14.299 14.338 -4.198 -4.207 -4.223 -4.230 -4.263 -4.168 -4.179 -4.189 2.000 2.000 14.598 14.60.7 -4.639 -4.671 -4.501 -4.512 -4.522 -4.531 -4.540 -4.548 -4.556 -4.556 -4.556 -4.624 -4.632 1.000 1.000 14.698 -4.845 -4.855 -4.855 -4.855 -4.873 -4.890 -4.897 -4.929 -4.956 -0.000 0000-0--1.000 -1.000 -5.598 -5.607 -5.607 -5.624 -5.632 -5 -5.501 -5.512 -5.522 -2 a000 2 000 SH 1Z OSG K/LOG DS 08G K/LOG DS ATOMIC SPECIES : 75000. 80000. 85000. 95000. 125000.

SH L1

ATOMIC SPECIES :

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ATOMIC DECIES

-0.402 -0.402 -0.402 *** -0.402 7.000 -0.402 -0=595 -0=595 -0=595 000 *** -0=595 -0.888 -0.888 -1.140 -1.148 -1.180 -1.206 -1.124 -1.133 2.000 -1.122 -1.140 -1.155 -1.349 -1.356 -1.363 -1.369 -1.375 -1.381 -1.395 -1.419 -1.474 -1.513 ***** -1.449 -1.458 -1.481 4.000 -1.105 -1.440 -1.466 -1.489 -1.503 -1.522 -1.529 -1.655 -1.659 -1.657 -1.675 -1.702 -1.708 -1.714 -1.556 -1.582 -1.596 -1.616 -1.643 -1.639 1.633 -1.846 -1.547 -1.575 -1.509 1.627 .807 -1.682 1.799 -1.741 -1.970 -1.974 -1.976 -2.115 -2.115 -2.124 -2.132 -2.140 -1.770 -1.790 -1.807 -1.849 -1.860 -1.870 -1.949 -1.960 -1.983 -2.074 -2.085 -2.096 -1.884 -1.891 -1.930 -2.180 -1.822 -1.839 -1.915 -1.936 -1.943 -1.899 -1.922 -1.907 -2.407 -2.419 -2.429 -2.021 -2.457 -2.466 -2.473 -2.513 1.000 -2.439 -2.449 -2.308 -2.356 -2.404 -2.740 -2.752 -2.763 0000-0--2.538 -2.748 -2.795 -2.807 -2.822 13.034 -3.115 -3.124 -3.132 3.106 -1.000 -3.061 2.000 F DEG ~\LOG

ATOMIC SPECIES : AR 2

000	*********** *********** ************	111111111111111111111111111111111111111
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000 s	* * * * * * * * * * * * * * * * * * *	11.0504 11.0504 11.0504 11.0508 11.0508 11.0708 11.0708 11.0708 11.0708 11.0708 11.0708
0 0 0	**** 1	1.987 -1.983 -2.009 -2.009 -2.009 -2.006 -2.006 -2.006 -2.008
000 m	*** 1	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
2.000	# 1	12.050 12
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90 ?		1
-2.000		13.977 13.9977 13.9977 13.9977 14.009 14.009 14.009 14.009 14.009 14.009
T DEG K/LOG PE	10000 10000 10000 10000 10000 11000	46000 • 60000 • 50000 • 65000 • 65000 • 70000 • 70000 • 85000 • 95000 • 95000 • 125000 • 1500000 • 150

ATOMIC SPECIES: AR 3

T DEG K/LDG PE	-2.000	-1.000	000.0-	1.000	2.000	3)00	000	0 0 h	000.9	7.000
						•				
4000	-3.990	-3.666	-3.301	-2.995	-2.654	***	****	* ***	***	***
0	0	70	30	-3.036	N	-2.130	***	****	***	****
9009	٠,	-3.745	n	-3.073	-2.731	-2 387	***	****		****
7000	-4.058	-3.749	M	w.	2.7	-2-127	-2.082	***	***	***
8000	-4.077	-3.744	M)	-3.135	N ·	-2-150	-2.113	1.561		***
0006	4.094	-3.761	m i	-3.105	-2.814	12.170	-2.132	-1.793	* * * * * * * * * * * * * * * * * * * *	****
0000	Q 0 1 • 4 -	9000	1.0.4450 0.4450	13.110	104161	-2.170	0 K C	-1.827	4	****
100001	-4-136	40 % 14 1) M	13.136	-2.803	-2 476	175	-1.844	50	-1.106
3000	-4-148	13.815	-3.482	ניווי ו	- CVI	-2 • 183	-2 148	8	-1.512	-1.158
Ó	7	-3.825			-2.824	-2 .192	-2 158	-1+825		-10177
0	-4.168	-3,835	-3.502	-3.169	-2.839	-2 501	-2 171		-1.546	-1.191
600	-4.178	-3.844		-3.178	-2.846	-2 511	-2 179	1.8 *4	-1.511	-1.205
7000	-4.186	13,853	-3.520	-3.187	-2.854	-2 523	130	7 m m	VIC. 1-	40- II
2	-4.195	13.861	-3.528	13.195 10.195 10.195	12.802	V 20 21	12.00	1.870	1.536	-1-203
i c	4.603	10.000	12.000	2.010	-2-877	10 10 1	7 1 2	-1.877	-1.543	-1.210
00007	14.218	4000	10000	-3.217	-2.884	12 551	-2.218	-1.885	-1.556	-1.217
ò	-4.225	-3.891	-3.557	-3.224	-2.891	-2 557	-2.224	-1.854	-1.560	-1.224
300	-4.227	-3.899	-3.564	-3.230	-2.897	-2 564	-2.231	-1.899	-1.565	-1.230
. ~	-4.230	-3.903	-3.570	-3,236	-2.903	-2 570	-2.237	-1.905	.57	-1.236
_	-4.235	506.5-	-3.578	-3.242	-2.909	-2 576	-2.242	-1.910	-1.578	-1.242
26000	-4.241	606°E-	-3.582	-3.248	-2.915	-2 581	-2.248	-1.915	-1.585	-1.248
À	-4.246	-3.913	-3.584	-3.255	-2.920	-2 587	-2.254	100.1-	-1.590	11.258
28000	-4.251	-3.918	-3.587	-3.261	-2.926	-2 = 592	-2.259	926		702-11
_	-4.256	13.923	-3.591	-3.262	-2.931	-2 597	-2.264	156-1-	200 m	10701
^	-4.261	-3.928	-3.59S	-3.265	-2.938	-2 502	-2.269	-1.936	-1.003	11.078
<u> </u>	-4.271	-3.937	13.604	3.272	9 4 4 6	710 71	-2.287		10411	11.290
34000	14.279	040	13.6013	13.280	10.010	12 527	-2.296	1.962	-1.629	-1.297
· ·	10000	29004	-3.629	-3.296	-2.963	-2 531	-2,306	-1.970	-1.637	-1.304
000	14.9303	-3.970	רח ו	-3,303	-2.970	-2 537	-2.309	-1.978	-1.644	-1.311
2000	-4.310	-3.977	-3.643	-3.310	-2.977	-2 544	-2.314	-1.986	-1.651	-1.318
0	-4.317	-3,983	-3.650	-3,317	-2.983	-2=550	-2.319	-1.993	-1.658	-1.325
900	-4.323	m	-3.656		-2.990	-2 657	-2.324	-1.996	9 !	-1.551
8000	-4.329		-3.663	-3,329	-2.996	-2 663	Z 330	000	7/0-1-	11000
0	-4.335	4.	-3.668 -	- 4. 4.55 0.45 0.45	13.002	A C C C C C C C C C C C C C C C C C C C	12.300	† F	11.687	11.355
0000	14.040	0.00	200°C1	135.25-	3.00.8	200	-2.362	12.029	-1.697	-1.371
- 00000 - 00000	-4.373	1 4	-3.706	-3,373	- M - O 40	-2 706	-2.373	-2.040	-1.708	-1.379
	0.00	r <	717.8-	3, 384	-3.050	-2 717	-2,384	-2.051	-1.718	-1,387
200	100.4	7 9	-3.727	13.394	13.060	-2 727	-2,394	-2.061	-1.728	-1.396
0000	-4.403	690-4-	-3.736		-3.070	-2=736	₽ 403	-2-070	.73	-1.404
500	-4.412	4	-3.745	-3.412	-3.078	-2=745	e 412	-2.079	• 74	-1.413
0000	-4.420	-4.086	-3.753	-3.420	-3.087	-2=753	420	-2.087	-1.754	-1.421
00056	-4.428	-4.094	-3.761	-3.428	့	-2 761	428	-2,095	92	-1.428
0000	-4.435	-4.102	1	4	7	-2 769	435	102	-1.769	1.4.30
125000		•	æ (4 .	7	12 801	704.07	-2.134	-1.801	11.400
5000	464.4-	-4.160	-3,827	-3.494	-3.160	128 2-	4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-	†

ATOMIC SPECIES : AR 4

-0009	-4.340	-3.995	9	-3,323	-2.981	-2.637	****	***	****	* * * * * * *
7000	-4.308	-3.999	-3.692	-3.350	-3.015		•	**		* * * * * *
8000	-4.327	-3.9.94	-3.673	-3,385	-3.037	• 70	-2,362	-1-911	***	***
■0006	-4.344	-4.011	-3.678	-3.355	-3.064	-2.720	-2,382	-2=043	****	***
■0000	-4.361	-4.027	-3.693	-3,360	-3.039	-2.750	-2.400	-2.061	-1.702	***
11000	-4.373	-4.042	-3.707	-3,374	4	-2.729	.42	-2-077	-1.730	*
2000	-4.386	-4.053	-3.721	-3,386	-3.053	-2.719	-2.425	-2.094	-1.751	
3000	-4.398	-4.064	-3,731	-3,399	-3.065	-2.731	-2.414	-2-115	-1.761	-1.407
4000	-4.408	-4.075	-3.742	-3.408	-3.076	-2.742	-2.408	-2-114	-1.777	-1.426
15000	-4.418	-4.065	-3.752	-3.418	-3.085	-2.752	4	-2.106	-1.796	-1. 441
6000	-4.428	-4.034	-3.761	-3.428	-3.094	-2.753	-2.428	-2=105	-1.812	-1.455
17000	-4.436	-4.103	-3.770	-3.436	-3.104	-2.770	-2.437	-2 103	-1.804	-1.469
18000	-4.445	-4.111	-3.778	-3.445	-3.112	-2.779	-2.446	2=1	-1.799	-1.485
1 9000	-4.452	-4.119	-3.786	-3.453	-3.119	-2.786	-2.453	N	-1.799	-1.501
20000	-4.460	-4.127	-3.793	-3.460	-3,127	-2.794	• 46	Q.	-1.801	-1.504
21000	-4.468	-4.134	-3.800	-3.467	-3.134	-2.800	-2.468	-2=135	-1.801	-1.500
22000	-4.475	-4.141	-3.807	-3.474	-3.140	-2.807	-2.474	-2=144	-1.808	-1.498
23000	274.4-	-4-149	-3.814	-3.480	-3.147	-2.814	-2.480	-2=149	-1.815	-1.498
24000	-4.480	-4.153	-3.820	-3.486	-3.153	-2.820	-2.487	-2=154	-1.821	-1.499
25000	-4.485	-4.155	-3.828	-3.492	-3,159	-2.826	-2.492	-2=160	-1.828	-1.501
26000	164.4-	-4.159	-3.832	-3.498	-3.165	-2.831	-2.498	-2=165	-1,835	-1.499
27000	-4.496	-4.163	-3.834	-3,505	-3.170	-2.837		-2=170	-1.840	-1.508
28000	-4.501	-4.168	-3.837	-3.511	-3.175	-2.842	•	-2=176	-1.844	-1.512
29000	-4.506	-4-173	-3.841	-3,512	-3.181	-2.847	-2.514	-2=181	-1.849	-1.517
30000	-4.511	-4.178	-3.845	-3,515	-3.188	2.85		-2=185	-1.853	-1.523
32000	-4.521	-4.187		-3.522	-3.193	-2.862	Ň.	-2=195		-1.528
34000=	-4.529	-4.196	-3.863	-3,530	-3.198	2.87	å	12=204		-1.540
36000=	-4.538	-4.204	-3.871	-3.538	-3,205	-2,876	ຫຼ	-2=212		-1.547
38000	-4.545	-4.212	-3.879	-3.546	-3.212	-2.881	ผ่	-2=220	-1.886	-1.554
40000	-4.553	-4.219	-3.886	-3,553	-3.220	-2.887	٠	-2=228	-1.894	-1,561
4 2000	-4.560	-4.227	-3.893	-3.560	-3.227	-2.894	•	-2=236	-1.901	-1.568
44000	-4.566	-4.233	-3.900	-3.567	-3.233	-2.900		-2=242	-1.908	-1.575
46000	-4.573	-4.240	-3.906	-3.573		-2.937	-2.574	-2=246	-1.915	-1.581
48000	-4.579	-4.246	-3.912	-3.579	-3.246	-2.913	•	-2=250	-1.922	-1.587
50000	-4.585	-4.252	-3.918	-3.585	-3.252	-2.919	-2.586	N.	-1.929	-1.593
55000	-4.599	-4.265	-3.932	-3.599	-3.266	-2.932		-2=266	-1.937	-1.605
00009	-4.611	-4.278	-3.945	-3.611	-3.278	-2.945	-2.612	N.	-1.947	-1.621
65000=	-4.623	-4.289	-3.956	-3.623	-3.290	-2.956	-2.623	-2=290	-1.957	-1.629
20000€	-4.633	-4.300	-3.967	-3,633	-3.300	-2,967	-2.634	-2=301	-1.968	-1.637
75000	-4.643	-4.310	-3.977	-3.643	-3.310	97	9	m	-1.977	-1.646
■00008	-4.653	-4.319	-3.986	-3.653	•31	9	-2 • 653	O.	-1.987	-1.654
85000	-4.661	-4.328	-3.995	-3.662	-3,328	-2.995	-5.662	-2=328	-1.995	-1.663
00006	-4.670	-4.336	-4.003	-3.670	-3,336	-3.003	-2.670	-2=337	00.	-1.671
95000	-4.677	-4.344	-4.011	-3.678	-3.344	-3.011	-2.678	=34	.01	-1.678
00000	-4.685	.e	-4.018	-3.685	-3.352	-3.018	-2.685	-2=352	-2.019	-1.686
125000	-4.717	-4.384	-4.051	-3.717	-3.384	-3.051	-2.717	-2=384	-2.051	7.1
150000	-4.744	-4.410	-4.077	-3.744	-3.410	-3.077	-2.744	-2=410	-2.077	-1.744

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ATOMIC SPEC IS

-1.709 -1.713 -1.722 -1.731 -1.679 -1.698 -1.693 -1.755 -1.769 -1.787 -1.692 -1.692 -1.693 -1.695 -1.747 -1.762 -1.815 -1.822 -1.839 -1.848 -1.857 -1,865 -1.872 -1.781 -1.831 -2.141 -2.151 -2.171 -2.181 -1.944 -1.997 -1.993 -1.995 -1.995 -2.021 -2.036 -2.055 -2.095 -2.102 -2.108 -2.116 -2.122 -2.131 -2.205 -2.213 -2.245 -2.271 -1,971 -2.080 -1,989 -2.046 -2.073 -2.088 00000 -2.006 -1.993 -2.002 -2.009 -2.015 -2,031 -2.306 -2.314 -2.322 -2.329 -2.347 -2.353 -2.358 -2.389 -2.430 -2.448 -2.472 -2.504 -2.578 -2.288 -2.309 -2.308 -2.299 -2.334 -2.444 2.440 2.494 2.522 5 °000 -2,364 -2.369 -2.374 -2.397 -2.406 -2.414 -2.421 -2.514 -2.661 -2.668 -2.674 -2.680 -2.685 -2.692 -2.708 -2.712 -2.722 -2.762 -2.779 -2.793 -2.805 -2.838 -2.855 -2.879 -2.911 -2.937 -2.619 -2.608 -2.602 -2.640 -2.646 -2.654 -2.697 -2.753 -2.576 -2.622 -2.631 -2.750 -2.828 0000 -2.616 -2.612 -2.731 -2.740 -2.774 -2.817 -2.871 -2.922 -2.913 -2.925 -2.936 -2.946 -2.972 -2.987 -2.994 -3.001 -3.007 -3.067 -3.070 -3.075 -3.081 -3.212 -3.244 -3.271 3.000 -2.964 -3.197 -3,205 -3.440 -3.446 -3.459 -3.472 -3.513 -3.522 -3.530 -3.353 -3.358 -3.364 -3.369 -3.375 -3.381 -3.387 -3.406 -3.414 -3.421 -3.427 -3.546 -3.578 -3.604 -3,392 -3.483 -3.504 -3.538 -3.837 -3.847 -3.855 -3.773 -3.879 -3.911 -3.937 -3.580 -3.580 -3.580 -3.668 -3.686 -3.754 -3.602 -3,805 1.000 -3.680 -3,817 -3,864 -3.630 -3,639 -3.646 -3.654 -3.767 -3.827 -3.871 -3.621 -3.661 -4.205 -4.112 -4.161 -4.171 -4.180 -4.212 -4.244 -4.271 -4.021 -4.039 -4.048 -4.065 -4.087 -4.100 -4.138 -3.872 -3.887 -3.901 -3.915 -3.955 -3.972 -3.980 -3.987 -4.001 -4.027 -4.197 000 -3.935 -4.189 -4.057 -4.080 -3.945 -3.994 -4.014 -4.034 460.4--4.494 -4.504 -4.513 -4.313 -4.349 -4.390 -4.445 -4.545 -4.220 -4.220 -4.247 -4.258 -4.269 -4.288 -4.327 -4.334 -4.342 -4.372 -4.433 11.000 -4.357 -4.413 -4.420 -4.440 -4.472 -4.483 -4.522 -4.530 -4.538 -4.279 -4.305 -4.320 -4.347 -4.362 -4.367 -4.406 -4.662 -4.669 -4.670 -4.705 -4.705 -4.714 -4.723 -4.731 -4.538 -4.555 -4.567 -4.580 -4.580 -4.612 -4.621 -4.630 -4.638 -4.646 -4.654 -4.674 -4.679 -4.690 -4.747 -4.760 -4.779 -4.817 -4.837 -4.805 -4.863 12.000 -41773 -4.855 W Q DEG </LOG 34000 48000 9000 10000 11000 12000 13000 25000 26000 27000 28000 29000 32000 44000 50000 65000 85000 90000 95000 100000 125000 38000 ■ 40000 42000 00009 15000■ 800008 ښو

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	-4.726	-4.394	-4.059	-3,726	-3,392	-3.081	775	-2.429	-2.082	****
	-4.738		-4.073	-3,739	-3.405	-3.072	178	-2.446	-2.103	-1.614
	-4.750	-4.416	-4.083	-3.751	-3.417	-3.083	766	4	-2,114	-1.760
	-4.760	-4.427	-4.094	-3.761	-3.429	-3.094	761	-2.467	-2.129	-1.779
	-4.770	-4.437	-4.104	-3.771	-3.437	-3,105	171	-2.458	42.4	-1.793
	-4.780	-4.446	-4.113	-3.780	4	-3,115	780	-2.457	ø	-1.807
	-4.789	-4.455	-4.122	-3.789	-3.455	-3,122	790	-2.455	7	-1.822
	-4.797	-4.463	143	-3.797	-3.464	.13	199	-2.464	-2.152	-1.837
	-4.805	-4.471	-4.138	-3.805	-3.471	-3.138	305	-2.472	-2.151	-1.854
	-4.812	-4.479	-4.145	-3.812	-3.479	410	312	-2.480	-2,154	-1.856
	-4.817	-4.486	-4.152	-3.819	-3.486	-3,153	319	-2.487	-2.153	-1.852
	-4.819	-4.492	-4.159	-3,826	-3.493	-3,159	326	-2.493	-2.160	-1.850
	-4.829	-4.495	-4.165	-3,832	-3.499	-3,166	332	-2.499	-2.167	-1.850
	-4.833	-4.498	-4.170	-3,838	-3.505	-3.172	339	-2,505	-2.174	-1.851
	-4.838	-4.507	-4.173	-3.844	-3.511	-3.178	344	-2,511	-2.179	-1.854
	-4.843	-4.511	-4.176	-3.849	-3.517	-3.183	350	-2,517	-2.183	-1.851
	-4.848	-4.516	-4.186	-3.852	-3.522	-3.189	356	-2,522	-2.189	-1:857
	-4.854	-4.520	-4.1.89	-3.854	-3.527	-3.194	361	-2.528	-2.194	-1.862
	-4.859	-4.525	-4.193	-3,865	-3.530	-3.199	366	-2,533	-2.199	-1.868
	-4.863	-4.530	-4.197	-3.867	-3.532	-3.204	371	-2,537	-2.204	-1.872
	-4.873	-4.539	-4.206	-3.874	-3.546	-3.211	380	-2.547	-2.214	-1.880
	-4.881	-4.548	-4.215	-3.882	-3.551	-3.225	383	-2.555	-2,222	-1.889
	-4.890	-4.556	-4.223	-3.890	-3.557	-3.229	395	-2.564	-2.230	-1.897
	-4.898	-4.564	-4.231	-3.898	-3.565	-3.233	906	-2.571	-2.238	-1.905
	-4.905	-4.572	-4.238	-3.905	-3.572	-3.240	112	-2.577	-2.246	-1.91
	-4.912	-4.579	-4.245	-3.912	-3.579	-3.246	116	-2.588	-2.252	-1.919
	-4.919	-4.585	-4.252	-3.919	-3.586	-3.252	121	-2.595	-2.259	-1.926
	-4.925	-4.552	-4.259	-3.925	-3,592	-3.259	126	-2.598	-2.267	-1.932
	-4.931	-4.598	-4.265	-3.931	-3,598	-3.265	132	-2.602	-2.274	-1,938
	-4.937	-4.604	-4.271	-3.937	-3.604	27	138	-2.606	-2.281	-1.944
	-4.951	-4.617	-4.284	-3.951	-3,618	-3.284	151	-2.619	-2.289	-1,957
	-4.963	-4.630	-4.297	-3.964	-3.630	29	164	-2.631	-2.299	-1.973
	-4.975	-4.642	-4.308	-3.975	-3.642	30	175	-2.642	-2.310	-1,981
	-4.986	-4.652	-4.319	-3.986	-3,653	31	186	-2.653	32	-1.989
	-4.996	-4.662	-4.329	-3.996	-3,662	-3,329	196	-2.663	333	-1.998
	-5.005	-4.672	-4.338	-4.005	-3.672	m	105	-2.672	.33	-2.006
	-5.014	-4.680	-4.347	-4.014	-3.680	34	114	-2.681	• 34	-2,015
	-5.022	-4.689	-4.355	-4.022	-3.689	10	122	-2.689	•	-2.02
	-5.030	-4.696	-4.363	-4.030	-3.696	-3,363	130	-2.697	36	-2.031
	-5.037	-4.704	-4.370	-4.037	-3.704	-3,371	137	-2.704	.37	-2.038
	-5.069	-4.736	-4.403	690.4-	-3.736	-3.403	691	~	04	-2.070
	-5.096	-4.762	-4.429	-4.096	-3.762	-3.429	961	10	-2.429	-2.096

ATOMIC SPECIES : AR 6

AR 7

ATOMIC SPECIES :

-21149 -21157 -21157 -2165 -2204 -2230 -1=996 -2.298 -2.290 -2.286 -2.285 -2.338 -2.338 -2.338 -2.356 -2.356 -2.372 -2.386 -2.386 -2.418 -2.464 -2.473 -2.481 -2.497 -2.505 -2.537 -2.537 -2.294 -2.313 -2.443 00009 -2.398 -2.323 -2.402 -2.433 -2.28E -2.307 -2.639 -2.645 -2.651 -2.666 -2.671 -2.681 -2.689 -2.705 -2.711 -2.715 -2.720 -2.720 -2.797 -2.806 -2.815 -2.738 -2.838 -2.870 -2.896 5_000 -2.606 -2.627 -2.656 -2.776 -2.823 -2.598 -2.765 -2.621 -2.989 -2.995 -3.000 -3.005 -2.932 -2.939 -2.946 -2.953 -2.960 -2.966 -2.972 -2.978 -2.984 -3.072 -3.085 -3.098 - 3.109 - 3.120 - 3.130 - 3.139 - 3.156 000 -3 249 -3 256 -3 256 -3 272 -3 405 -3 418 -3 431 -3 453 -3 489 -3 497 -3=399 -3 442 -3-472 -3-481 -3.580 -3.589 -3.597 -3.605 -3.626 -3.633 -3.639 -3.656 -3.682 -3.690 -3.699 -3.620 -3,650 -3.664 -3.719 -3.732 -3.764 -3.786 -3.613 -3.645 -3.666 -3,673 -3.713 -3.726 -3.738 -3.752 -3,776 -3.796 -3.806 -3.814 -3,823 -3,838 -3.830 -3.931 -3.939 -3.946 -4.015 -4.024 -4.032 -4.039 -3.960 -3.966 -3.972 -3,978 -3.986 -3.987 -3.993 -3.997 -4.059 -4.109 -4.085 -4.130 -4.139 -4.148 -4.156 -4.171 -4.203 -3,953 -4.007 -4.046 -4.053 -4.071 -4.349 -4.357 -4.365 -4.247 -4.264 -4.272 -4.279 -4.316 -4.321 -4.331 -4.379 -4.386 -4.392 -4.399 -4.293 -4.442 -4.504 -4.537 -4.54 -4.472 -0.000 -4.310 -4.286 -4.340 -4.404 -4.418 -4.431 -4.489 -4.304 -4.307 -4.719 -4.726 -4.732 -4.580 -4.625 -4.649 -4.690 -4.698 -4.738 -4.776 -4.805 -4.673 -4.605 -4.613 -4.619 -4.632 -4.638 -4.643 -4.659 -4.664 -4.713 -4.764 -4.597 -4.756 -5.015 -5.024 -5.031 -5.039 -5.053 -5.059 -5.1097 -5.120 -5.120 -5.129 -5.139 -5.156 -5.071 -2.000 -5.046 -5.164 W O DEG K/LOG 80000 85000 95000 10000 15000

000 -2.580 -2.589 -2.597 -2.606 -2.621 -2.653 -2.679 00009 -2.913 -2.922 -2.931 -2.939 2.000 -3.048 -3.055 -3.062 -3.069 -3.225 -3.236 -3.246 -3.201 -3.255 -3.264 -3.272 -3.280 -3.287 4.000 -3.380 -3.388 -3.402 -3.402 13.44.16 -3.444 -3.454 -3.461 -3.465 -3.473 -3.481 -3.488 -3.495 -3.588 -3.597 -3.605 -3.613 -3.620 -3.653 3.000 -3.679 -3.721 -3.729 -3.736 -3.749 -3.776 -3.922 -3.930 -3.939 -3.946 -3.954 -3.986 -4.012 -4.055 -4.062 -4.069 -4.255 -4.254 -4.272 -4.280 -4.287 -4.388 -4.388 -4.4477 -4.456 -4.465 -4.402 -4.420 -4.423 -4.437 -4.588 -4.605 -4.613 -4.620 -4.653 -0.000 -4.415 -4.431 -4.745 -4.754 -4.759 -4.759 -4.713 -4.721 -4.729 -4.735 -1.000 -4.912 12 000 ü DES KANDS ÷

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ATOMIC SPECIES

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ATOMIC SPECES:	AR 9									
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32.000	-5.225	-4 892	-4.558	4 25	-3.892	ທີ່	-3.232	568.21	000 V	76.636
■ 000 0÷6⊞	-5.234	-4 900	-4.567	4534	-3.900	-3.557	η,	206.21	ů	ů
36000	-5.242	606=4-	-4.575	- 442	8	-3.57.5	-3.247	-2.916	200	ů
38.00	-5.250	-4 916	-4.583	-4-250	3.91	ω.	-3.250	-2.923	,	1 X 2 X 2 X
40,000	-5.257	4 924	-4.591	-4 257	-3.924	(1)	ויי	12000	966.2	ic
42,000	-5.264	-4 931	-4.598	-4.264	n	3	m,	-2.933	000.2	22.00
■ 000 44 ■ 000 44	-5.271	-4-938	-4.604	-4-271	-3.938	-3.604	3.27	-2.938	110.2	0.7.7
■ 00004	-5.277	-4=944	-4.611	-4=277	-3.944	-3.611	m	-2.944	-2.616	v (
■ 000 84	-5.283	-4-950	-4.617	-4-284	-3.950	-3.617	-3.284	-2.950	-2.620	-2.291
	-5.289	985	-4.623	14 289	-3.956	-3.623	-3.290	-2.956	-2.623	-2.296
1 000000000000000000000000000000000000	-5.303	0.26 41	-4.636	14 303	-3.970	-3.637	-3,303	-2.970	-2.637	-2,308
	-5.316	2835	649-4-	14 316	-3,982	-3.649	-3,316	-2.983	-2.649	-2,316
	702.30	1 0 0	-4.661	14=327	-3.994	-3.661	-3,327	-2.994	-2.661	-2,328
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ATOMIC SPECIES :	AR 10								. .	
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0000		1 40		4	-4.048	-3.714	-3,381	-3.048	-2.715	-2,388
00000	100.01) U		105.41	-4.061	-3.728	-3,395	-3.062	-2.728	-2,399
00000	1000 E	\$2.0 S 1	042 41	204.41	-4.074	-3.741	-3.407	-3.074	-2.741	-2.408
	0.4.81	1 1	-4 752	614.41	-4.085	-3.752	-3.419	-3.086	-2.752	-2.419
	420	960 10 1	-4 763	14.429	-4.096	-3.763	-3.430	-3.096	-2,763	-2.430
	5.430	100	677 41	14.439	-4.106	-3.773	-3.440	-3.106	-2.773	-2.440
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	15.457	124	-4 791	14.457	-4.124	-3.791	-3.458	-3.124	-2.791	-2.458
	-5-466	20 10 10 10 10 10 10 10 10 10 10 10 10 10	662 4-	14.466	-4.132		-3.466	-3,133	-2,799	-2.466
	5.473	140		14.473	-4.140	-3.807	-3.474	-3.140	-2.807	-2.474
	-5.481	241 51	• ₹		-4.148	-3.814	.48	-3.148	83	-2.481
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T DEG K/bog me		ATOMIC SPECIES : A T DEG K/pwG P8 80000 85000 95000 125000 150000	ATOMIC SPECIES: A T PEG K/LOG PS 100000	16 K/406 pE 50000.	ATOMIC SPECIES : AI ☐ D≤G K/LGG PÉ 125000. 150000.

ATOMIC SPECIES : ARII

LOS OF THE DEPRESSION OF THE CONTINIUM

ATOMIC SPECIES : K	,									
T DEG K/LOG PE	-2.000	-1.000	0 0 0 0	1.000	2.000	3.000	4 • 000	2.000	000*9	7. 000
									,	
3000	-3.001	-2.666	-2 108	****	*	***	***	***	***	***
4000	-3.036	2.71	12 347	-2.021		*	***		* * * * * * * * *	* * * * * * * * * * * * * * * * * * * *
5000	-3.096	-2.753	12 104	-2.082	-1.719	V .	***	***		
• 00.09	-3.136		-126	-2.119	77.	<u>.</u>	***	****	* * * * * * *	*****
7000	-3.104	-2.755	8 9 9 1 N N	12.146	1.810	-1-456	-1.122	-0.888	***	****
• 0006	-3.140		N N	-2.151		-1.516	-1.140		****	****
10000	-3.157	, ,,	180	-2-156			-1,155	-1.004	-0.595	****
110000	-3.169	-2.838	1 1 0 0 0	-2,169			-1.169	-1.004	-0.595	* ***
12000	-3.182	-2.849	12 517	-2.182	-1.849	်ပ္	-1.182	:	-0.595	-0.40S
	-3.193	-2.860	-2=527	-2.195		-1.527	-1.193	-1.004	-0.595	-0.402
14000.	-3.204	-2 8H1	12 538	-2.204	-1.872	-1.538	-1.204	÷	-0.595	0.595
15000.	-3.214	-2 831	-2 548	-2.214	-1.881	-1.548	-1.214	1.004	-0-595	-0.595
16000.	-3.223	890 890	-2 557	-2.224	-1.890	-1.559	-1.224	400.1-	0.000	0.00
17000.	-3.232	12.899	12.566	12.232	-1.899	-1.566	11.233	1.004	10.505	404
18000	047.0	706.0	1 0 74	147.0	106.11	1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 248	1.004	-0.595	704
19000	0 th 0 th	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	17 282	10.056	11.022	1.589	-1.256	-1.004	-0.754	-0.402
• 0000	146.5	000	1 304 1 405 1 605	20.04	11.930	1 5000	-1.263	-1.106	-0.754	-0.402
22000	-3.262	-2.935	203 203 503	-2.270	-1.936	-1.603	-1.270	-1.106	-0.754	-0.402
23000	-3.269	-2.938	-2.509	-2.276	-1.943	-1.609	-1.276	-1.106	-0.754	-0.402
24000	-3.275	-2.942	-2.514	-2.282	-1.949	-1.616	-1.282	-1.106		-0.402
25000	-3.281	-2.948	-2.517	-2,288	-1.955	-1.621	-1.288	-1.106	-0.754	0.402
26000•	-3.286	ma 6.21	12.520	-2.293	-1.960	-1.627	-1.294	-1.106	-0.754	-0- 402
27000.	-3.292	-2.959	12.525	-2.296	-1.966	-1.633	-1.299	-1.106	-0.754	-0.402
28000.	-3.297	-2.964	-2.531	-2.297	-1.970	-1.638	-1.304	-1.106	-0.754	10.402
29000	-3,302	-2.969	-2.1536	-2,302	-1.974	-1.643	-1.310	-1.106	-0.754	10.40Z
30000	-3.307	-2.574	-2.540	-2.307	-1.976	-1.647	-1.314	-1.106	-0.754	10.402
32000.	-3,316	-2,983	-2.550	-2.317	-1.983	-1.655	-1.324	-1.106	40.754	10.402
34000.	-3,325	2.992	-2.559	-2.325	-1.992	-1.559	1.000	100	10.75¢	10.402
36000	13,333	000	-2.567	-2,334	-2.000	11.00	00001	907	# W # O	1000
38000	13.341	80000	ו איני פילטי פילטי	145.41	0000 0000 0000 0000	11.682	11.044	11106	10-754	-0-402
• 0000	ון מינו מינות מינות	0.00	1245.80	0 to 1 0 1	12.022	-1.689	-1.355	-1.106	-0.754	-0.402
44000	3.362	-3.029	12.596	ıα	-2.029	-1.696	-1.363	-1.106	-0.888	-0.402
46000	-3.369	-3.035	-Z•702	-2,369	-2.036	-1.732	-1.369	-1.106	-0.888	-0.402
48000	-3,375	-3.042	-Z-708	-2.375	-2.042	-1.738	-1.375	-1.198	-0.888	-0.402
50000	-3.381	-3.04Z	-Z-714	-2,381	-2.048	-1.714	-1,381	-1.198	-0.888	-0.402
55000•	-3,394	-3.061	-Z • 728	-2,395	-2.061	-1:728	•	-1.198	•	-0.402
*00009	-3.407	-3.074	-2.740	CV.		-1.741	-1.407	-1.198	80	-0.595
65000	-3.419	-3.085	-2.752	-2.419	-2,085	-1.752	-1.419	-1.198	9	0.00
70000	-3.459	960*2-	-2.763	-2.429	-5.096	-1.763	-1.430	7	0 0	-0.095
75000.	-3.439	-3.106	-Z•773	-2.439	-2.106	-1.773	-1.440	-1.106	0 0	0.000
80000	-3.449	-3.115	-Z• 782	-2.449	-2,115	-1.782	-1.449		98.0	-0.595
85000.	-3.457	-3.124	Ŋ	Q.		• 79	• 45	7.	800	0.000
• 00006	-3.466	-3.132	-Z• 199	-2.466	-2.132	•	•		000	0000
• 00056	-3.473	-3.140	-2+807	4	-2.140		٠		→ .	ָה ק
100000	-3.481			•	2	8	-1.481	11.148	4004	-0.595
125000•	-3.513	-3.180	-2.346	-2.513	-2.180	1.840	210-1-	0		Č.

7.000

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ATOM IC SPECIES

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-1.355 -1.428 -1.205 -1.304 -1,258 -1.318 -1,396 -1.242 -1.248 -1.278 -1.297 -1,325 -1.337 -1.387 -1.403 -1.412 -1.420 -1.436 -1,235 -1,248 -1.230 -1.236 -1.262 -1.273 -1,290 -1,343 -1.379 7.000 -1.254 -1.250 -1.267 -1.331 -1.453 -1.527 -1.546 -1.562 -1.554 -1.556 -1.585 -1.621 -1.658 -1.801 -1.549 -1.679 -1.707 -1:737 -1.745 -1.769 -1.550 -1.552 -1.565 -1.578 -1.594 -1.599 -1.603 -1.612 -1.637 -1.644 -1.651 -1.672 -1.754 -1.761 00000 -1.501 -1.571 -1.687 -1.697 -1.717 -1.727 -1.986 -1.993 -1.996 -1.910 -1.915 -1.921 -2.079 -1.899 -1.970 -2.016 -2.087 -1.865 -1.856 -1.877 -1.793 -1.945 -2.000 -2.040 -2.070 -1.862 -1.926 -1,931 -1.936 -1.954 -1.962 -2.004 -2,102 -1.853 -1.870 -1.894 2.061 5.000 -1.827 -2,051 -2.248 -2.254 -2.254 -2.269 -2.269 -2.278 -2.287 -2.296 -2.306 -2.323 -2.329 -2.335 -2.384 -2.384 -2.435 -2.467 -2.494 -2.176 -2.164 -2.159 -2.195 -2,206 -2,212 -2,218 -2.224 -2.231 -2.237 -2.314 -2.349 -2.412 -2.132 -2.169 -2.403 -2.428 *** -2.420 0000 **** -2-113 -2-173 -2.178 -2.082 -2.523 -2.523 -2.529 -2.587 -2.623 -2.627 -2.631 -2.636 -2.643 -2.669 -2.682 -2.635 -2.717 -2.727 -2.727 -2.736 -2.745 -2.427 -2.450 -2.500 -2.500 -2.481 -2.492 -2.503 -2.537 -2.544 -2.551 -2.557 -2.554 -2.570 -2.597 -2.602 -2.612 -2.769 -2.801 -2.827 -2.576 3 000 -2.470 -2.657 -2.663 -2,387 2.761 -3.040 -3.050 -2.765 -2.787 -2.814 -2.815 -2.824 -2.839 -2.869 -2.897 -2.903 -2.909 -2.931 -2.938 -2.946 -2.962 -2.970 -2.977 -3.016 -3.070 -3.102 -3.134 -3.160 -2.891 000 -2.790 -2,862 -2.884 -2,920 -2.926 -2.943 -2.954 -2.983 -2.990 -2,996 -3.002 -3.087 -3.094 -2.790 -2.803 -2.846 -2.854 -3.195 -3.329 -3.135 -3.178 -3.230 -3.262 -3.296 -3,349 -3.467 -3.147 -3,255 -3.403 000 -3.110 -3.210 -3.217 -3.224 -3.242 -3.248 -3,288 -3,310 -3,317 -3,323 -3,373 -3.384 -3,394 -3.412 -3.420 -3,428 -3,435 -3.073 -3,105 -3.124 -3.160 -3.169 -3.261 -3.280 -3.137 -3,271 -3.557 -3.564 -3.570 -3.585 -3.629 -3.682 -3.442 -3.469 -3.578 -3.727 -3,753 -3,301 -3.827 3.621 -3.668 -3.706 00000 -3.410 -3.428 -3.443 -3.502 -3.520 -3.528 -3.536 -3.543 -3.550 -3.580 -3.590 -3.595 -3.604 -3.613 -3.643 -3.650 -3.656 -3,663 -3.717 -3.745 -3.768 -3.457 -3,492 -3.511 -3.928 -3.928 -3.937 1.3.7666 1.3.767 1.3.745 1.449 -3.804 -3.815 -3.844 -3.853 -3.861 -3.891 -3.899 -3.903 -3.902 -3.946 -3.962 -4.015 -4.086 -4.102 -4.134 -4.160 -3.761 -3.918 -3.583 -4.060 -3.835 -3.913 -3.990 -4.002 -4.040 -4.069 -4.078 -1.000 -3,792 -3,825 -3.869 -3.877 -3.884 -3.977 3.996 -4.050 -4.235 -4.241 -4.246 -4.251 -4.271 -4.279 -4.288 -4,323 -4.335 -4.349 -4.361 -4.373 -4.384 -4.393 -4.420 -3.990 -4.050 -4.091 -4.058 -4.111 -4.125 -4.136 -4.168 -4.178 -4.186 -4.203 -4.223 -4.223 -4.223 -4.256 -4.295 -4.435 -4,329 -2.000 -4,195 -4.310 -4.412 -4.095 -4.148 -4.317 -4.403 W ATOMIC SPECIES X/106 DEG **|--**

IC SPECIEB : K 4

000-2	*****	*******		1.407						-1.504										-1.528			-1.554			1.581									in	m	7	7	-1.717	### ## ## ## ## ## ## ## ## ## ## ## ##
000*9	*****	-1.702	-1.75	-1.701	-1.796	-1.812	-1.804	-1.799	-1.799	10801-	1.808	518	-1.821	-1.827	-1.831	-1.837	-1.842	-1.847	-1,853	-1.862	-1.87	-1.879	-1.886	1.00	106.1-	11.90.8		-1.929	-1.937	-1.947	-1.95	-1.968	-1.97	-1.987	1.99	-2.00	-2.011	-2.019	-2.051	• 4
5.000	++++ -1.911 -2.043	O O	-2.094	-2.115	-2.106	-2.105	-2.103	-2.112	-2.120	871.7	-2-140	-2-147	-2.153	-2.159	-2.165	-2.170	-2.176	-2.181	-2.185	-2.195	-2.204	-2.212	-2.220	-2.228	-2.236	40.00	010.01	-2.254	-2.266	-2.279	-2.290	-2.300	-2.310	-2.320	-2.328	-2.337	m.	ຜູ	-2.384	01++7-
4.000	-2.332 -2.362 -2.382	-2.400	-2.426	-2.414	12.413	-2.428	-2.437	-2.445	-2.453	004.0	12.40	12 480	-2.487	-2.492	-2.498	-2.503	-2.509	-2.514	-2.519	-2.528	-2.537	-2.546	-2.555	-2.559	-2.564	12.569	1000	-2.586	-2.599	-2.612	-2.623	-2.634	-2.644	-2.653	-2 • 662	-2.670	.67	-2,685	-2.717	4
3.000	-2.577	-2.750	-2.719	-2.731	12.7.00	-2.763	-2.770	-2.778	-2.786	-2.793	2.000	-2-81¢	-2.820	-2.826	-2.831	-2,837	-2.842	-2.847	-2,852	-2.862	-2,873	-2.876	-2,881	-2.887	-2.894	12.000	106.01	-2.919	-2.932	-2.945	-2,956	-2.967	-2.977	-2.986	-2,995	-3.003	-3.011	-3.018	-3.051	3
2.000	-3.015 -3.037 -3.064	-3.039	-3,053	-3.065	13.085	-3.094	-3,103	-3.111	-3.119	-3.127	10.104	13.147	13.153	-3,159	-3.165	-3.170	-3.175	-3.181	-3.188	-3.193	-3.198	-3.205	-3.212	3.220	-3.227	13.233	040	-3.252	-3,266	-3.278	-3.290	-3.300	-3,310	-3.319	-3.328	-3,336	-3.344	-3.352	-3.384	-3.410
1.000	13.350 13.350 13.355	-3,360	-3,386	-3,399	13.408	3.428	-3.436	-3.445	-3.453	-3.460	104.60	4.4.	13.486	-3.492	-3.498	-3.50.5	-3.511	-3.512	-3.515	-3.522	-3.530	-3.538	-3.546	-3.553	-3.560	13.567	10.01			-3.611	-3.623	-3.633	-3.643	-3.653	-3.662	-3.670	-3.678	-3.685	-3.717	-3.744
000.0-	-3.692 -3.673	-3.693	-3.721	-3.731	-3.742	-3.761	022.6-	-3.778	-3.786	-3.793	13.800	13.80	13.820		-3.832	-3.834	-3.837	-3.841	-3.845	-3.854	-3.863	-3.871	-3.879	-3.886	-3.893	13.900	0 0	210.51	-3.932	-3.945	-3.956	-3.967	-3.977	-3.986	-3.995	-4.003	-4.011	-4.018	-4.051	-4.077
-1.000	13.999		-4.053	-4.064	14.075	14.094	-4.103	-4.111	-4.119	-4.127	-4.134	141.41	14.149	-4-155	-4.159	-4.163	-4.168	-4.173	-4-178	-4.187	-4.196	-4.204	-4.212	-4,219	-4.227	-4.233	14.240	4.040	1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-4.278	-4.289	-4.300	-4.310	-4.319	-4.328	-4.336	-4.344	-4,352	-4.384	-4.410
-2.000	-4.308 -4.327	-4.361	-4.386	-4.398	-4-408	-4.428	-4.436	-4.445	-4.452	-4.460	14.468	14.475	14.47	4.4	-4.491	-4.496	-4.501	-4.506	-4.511	-4.521	-4.529	-4.538	-4.545	-4.553	-4.560	-4.566	14.573	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0000	-4.611	-4.623	-4.633	-4.643	-4.653	-4.661	-4.670	-4.677	-4.685	-4.717	-4.744
oeg ≺/LOG PE	0000			%	000		0	0	o	0	00		000	o	26,00	o o	28,000	8	8	8	9	36,000	Q O O	0 6		20		000	0	00	%	00	00	ō	000	<i>்</i> ப		00	o	00

-1.722 -1.731 -1.739 -1.754 -1.781 -1.787 -1.798 -1.815 -1.880 -1.911 -1.938 -1.649 -1.698 -1,692 -1.747 -1.768 -1.839 2.000 -1.692 -1.693 -1,695 -1.693 -1.699 -1.709 -1.774 -1.848 -1.865 -1.761 -1.831 -1.857 -1.971 -2.041 -2.055 -2.080 -2.108 -2.116 -2.122 -2.131 -2.162 -2.171 -2.181 -2.205 -2.212 -2.245 -2.271 6.000 -1.997 -1:995 -2.072 -2.141 -1.944 -1,955 -2.006 -1,993 -1,993 -1.995 -2.009 -2.015 -2.021 -2.025 -2.036 -2.095 -2.102 -2.002 -2.189 -2.197 -2.031 -2.288 -2.308 -2.306 -2.314 -2.322 -2.329 -2.347 -2.353 -2.358 -2.354 -2.374 -2.388 -2.538 -2.546 -2.578 -2.414 2.444 -2.494 5.000 -2.405 -2.436 -2.430 -2.440 2.448 -2.460 -2.472 -2.271 -2,341 -2.484 -2.514 2.522 -2.530 -2.722 -2.731 -2.740 -2.750 -2.576 -2.619 -2.608 -2.602 -2.631 -2.640 -2.646 -2.692 -2.697 -2.702 -2.707 -2.768 -2.774 -2.779 -2.669 -2.674 -2.680 -2.686 -2.757 -2.805 -2.828 -2.855 -2.622 -2.654 -2.871 -2.911 4.000 -2.847 -2,864 -2.913 -2.925 -2.936 -2.946 -3.013 -3.019 -3.025 -3.036 -3.056 -3.067 -3.041 -2.964 -2.980 -2.994 -3.100 -3.205 3.000 -3.075 -3.088 -2.922 -3.007 -3.081 -3.094 -3.244 -3,197 -3.271 -3.247 -3.258 -3.270 -3.279 -3.297 -3.305 -3.313 -3.327 -3.341 -3.347 -3.353 -3.406 -3.434 -3.494 -3,538 -3,375 -3,358 -3,363 -3,369 -3,387 -3,392 -3,399 -3.414 -3.421 -3.427 -3.440 -3.446 -3,459 -3.472 -3.483 -3.504 -3.522 -3.546 1.000 -3.580 -3.593 -3.602 -3.630 -3.699 -3.706 -3.715 -3.760 -3.805 -3.817 -3.827 -3.612 -3.654 -3.732 -3.779 -3.837 -3.847 -3.855 -3.747 -3.864 -3.871 -3.879 -3.646 -3.674 -3.680 -3.686 -3.692 -3.773 -3.667 -3.915 -3.964 -4.007 -4.014 -4.021 -4.027 -4.034 -4.039 -4.065 -4.106 -4.112 -4.126 -4.138 -4.150 -3.987 -4.205 00000--3,955 -3.935 -3.945 -3,980 -4.026 -4.080 -4.100 -3.872 -3.887 -3.901 -4.048 -4.057 -4.087 -4.094 -4.180 -4.189 -4.197 -4.001 -4.171 -4.205 -4.220 -4.327 -4.334 -4.342 -4.390 -4.390 -4.398 -4.522 -4.530 -4.538 -1.000 -4.247 -4.305 -4.357 -4.367 -4.472 -4.578 -4.279 -4.353 -4.413 -4.433 -4.459 -4.269 -4.288 -4.313 -4.320 -4.349 -4.420 -4.427 -4.440 -4.445 -4.513 -4,347 -4.494 -4.504 -4.653 -4.662 -4.669 -4.670 -4.580 -4.602 -4.612 -4.621 -4.630. -4.754 -4.760 -4.767 -4.847 -4.855 -4.863 -4.871 -4.779 -4.805 -2.000 -4.646 -4.679 -4.911 -4.567 -4.747 -4.773 -4.827 -4.837 S × ď •• OEG KALDG ATGMIC SPECIES

1 DEG K/LDG PE	-2.000	-1.000	0000-0-	1.000	2.000	3.000	4.000	5.000	000.9	7.000
12000	-4.738	-4.405	-4.073	-3.739	-3.405	-3.072	-2.778	-2.446	-2.103	-1.614
13000	-4.750	-4.416	-4.083	-3.751	-3.417	-3.083	-2,765	-2.467	-2,114	-1.760
14000	-4.760	-4.427	4.004	-3.761	-3.429	-3.094	-2,761	-2.467	-2.129	-1.779
15000	-4.770	-4.437	-4.104	-3.771	-3.437	-3.105	-2.771	-2,458	-2.148	-1. 793
16000	-4.780	-4.446	-4.113	-3.780	-3.447	-3.115	-2.780	-2.457	-2.164	-1.807
1 7000=	-4.789	-4.455	-4.122	-3.789	-3.455	-3.122	-2.790	-2.455	-2,156	-1.822
18000	767.4-	-4.463	-4.130	-3.797	-3.464	-3.130	-2.799	-2.464	-2.152	-1.837
19000	-4.805	-4.471	-4.138	-3.805	-3.471	-3.138	-2,805	-2.472	-2,151	-1.854
20000	-4.812	-4.479	-4.145	-3.812	-3.479	-3.145	-2.812	-2.480	-2.154	-1.856
21000	-4.817	-4.486	-4.152	-3.819	-3.486	-3.153	-2.819	-2.487	-2.153	-1.852
22000	-4.819	-4.492	-4.159	-3.826	-3.493	-3.159	-2.826	-2.493	-2.160	-1.850
23000	-4.825	-4.4.95	-4.165	-3,832	-3.499	-3.156	-2,832	-2.499	-2.167	-1.850
24000	-4.831	-4.498	-4.170	-3.838	-3.505	-3.172	-2,839	-2.505	-2,174	-1.851
25000	-4.837	-4.504	-4.173	-3.844	-3.511	-3.178	-2.844	-2,511	-2.179	-1.854
26000=	-4.843	-4.509	-4.176	-3.849	-3.517	-3.183	-2.850	-2.517	-2,183	-1.851
27000	-4.848	-4.515	-4.182	-3.852	-3.522	-3.189	-2.856	-2.522	-2.189	-1.857
28000	-4.854	-4.520	-4.187	-3.854	-3.527	-3.194	-2.861	-2.528	-2.194	-1.862
29000	-4.859	-4.525	-4.192	-3.859	-3.530	-3.199	-2,866	-2.533	-2.199	-1,868
30000	-4.863	-4.530	-4.197	-3.864	-3.532	-3.204	-2.871	-2.537	-2.204	-1.872
32000	-4.873	-4.539	-4.206	-3.873	-3.540	-3.211	-2.880	-2.547	-2.214	-1.880
34000	-4.881	-4.548	-4.215	-3.882	-3.548	-3.215	-2.888	-2.555	-2.222	-1.889
36000	-4.890	-4.556	-4.223	-3.890	-3.557	-3.223	-2.895	-2.564	-2.230	-1.897
38000	-4.898	-4.564	-4.231	-3,898	-3.565	-3.231	-2.898	-2.571	-2.238	-1.905
₩0000	-4.905	-4.572	-4.238	-3.905	-3.572	-3,240	-2.905	-2.577	-2.246	-1.912
42000₽	-4.912	-4.579	-4.245	-3.912	-3.579	-3.246	-2.912	-2.581	-2.252	-1.919
44000	-4.919	-4.585	-4.252	-3.919	-3.586	-3.252	-2.921	-2.586	-2.259	-1.926
4 60 00.	-4.925	-4.592	-4.259	-3.925	-3*592	-3.259	-2.926	-2.592	-2.264	-1.932
48000	-4.931	-4.598	-4.265	-3.931	-3.598	-3.265	-2.932	-2.602	-2.268	-1.938
50000.	286.4-	-4.604	-4.271	-3.937	-3.604	-3.271	-2.938	-2.60.6	-2.271	-1.944
52000	-4.951	-4.617	-4.284	-3.951	-3.618	-3.284	-2,951	-2.619	-2.289	-1,955
00009	-4.963	-4.630	-4.297	-3.964	-3.630	-3.297	-5.964	-2.631	-2.299	-1.964
65000	-4.975	-4.642	-4.308	-3.975	-3.642	-3.309	-2.975	-2.642	-2.310	-1.981
10000	-4.986	-4.652	-4.319	-3,986	-3.652	-3,319	-2.986	-2.653	-2,320	-1.989
75000	966.1-	-4.662	-4.329	-3.996	-3.662	-3,329	-2.995	-2.663	-2,330	-1.998
800008	-5.005	-4.672	-4.338	-4.005	-3.672	-3,338	-3.005	-2.672	-2,339	-2.006
85000	-5.014	-4.680	-4.347	-4.014	-3.680	-3.347	-3.014	-2.681	-2.348	-2.015
,00006	-5.022	-4.689	-4.355	-4.022	-3.689	-3,355	-3.022	-2.689	-2.356	-2,023
95000	-5.030	-4.696	-4.363	-4.030	-3.696	-3,363	-3.030	-2.697	-2.364	-2.031
1000001	-5.037	-4.704	-4.370	-4.037	-3.704	-3,371	-3.037	-2.704	-2,371	-2.038
125000,	-5.069	-4.736	-4.403	-4.069	-3.736	-3.403	-3.069	-2.736	-2.403	-2.070
150000.	-5.096	-4.762	-4.429	-4.096	-3.762	-3.429	-3.096	-2.763	-2.429	-2.096

ATOMIC SPECIES : K 7

DEG K/LOG PS	-2,000	1000	0 0 0 1	0000	2 000	000 E	000	0000	0000	000
	400	4.4.7.7	AF C - 4-	3.904	-3.571	N	-2.905	±2,592	-2.282	-1.927
2004	0	4 58	N	-3.914	-3.580	-3.249	6	-2.591	50	-1.941
17000	-4.922	-4.589	-4-256	-3,923	-3.589	N	-2.923	-2,589	-2.290	-1,955
1 BO O	-4-931	-4-597	-4.264	-3,931	-3.597	-3.254	-2.932	-2.598	-2.286	-1.971
	ı m	-4.605	-4.272	-3.939	-3.605	Ŋ	.93	.60	-2,285	-1.987
	-4.946	-4.613	-4.279	-3.946	-3.613	.27	94	-2.614	-2.288	-1.990
0000	-4-951	-4.619	-4.286	-3,953	-3.620	.286	-2.953	-2.621	-2.287	-1.986
	-4.953	-4.625	-4.293	-3.960	-3.626	293	-2.960	-2.627	-2.294	-1.984
	-4.959	-4.629	-4.299	-3.966	-3.633		-2.966	-2.633	-2,30 I	-1.984
	-4.965	-4.632	-4.304	-3.972	-3.639		-2.972	12.639	-2,307	-1,985
	0	-4.638	-4.307	-3.978	-3.645	.312	-2.978	12.645	-2.313	-1.987
	726.4-	-4.643	-4.310	-3,983	-3.650	-3.317	-2.984	12.651	-2.317	-1,985
	-4-982	-4.649	-4.316	-3,986	-3.656		-2.989	12.656	-2.323	-1.991
0000	-4.987	-4.654	-4.321	-3,987	-3.661	-3,328	-2.995	15.661	-2.328	-1.996
.00	-4.992	-4.659	-4.326	-3.993	-3.664	-3,333	-3.000	12.666	-2,333	-2.001
.00	766.4-	-4.664	-4.331	-3.997	-3.666	-3,338	-3.005	-2.671	-2,338	-2.006
000	-5.007	-4.673	-4.340	-4.007	-3.673	-3,345	-3.014	12,681	-2,347	-2.014
34000	-5.015	-4.682	-4.349	-4.015	-3.682	-3,349	-3.022	12.689	-2,356	-2.023
36000	-5.024	-4.690	-4.357	-4.024	-3.690	-3.357	-3.029	-2.697	-2.364	-2.031
38000	-5.031	-4.698	-4.365	-4.031	-3.698	-3.365	-3.032	-2.705	-2.372	-2.039
40000	-5.039	-4.706	-4.372	-4.039	-3.706	-3,372	-3.039	-2.711	-2,379	-2.046
42000	-5.046	-4.713	-4.379	-4.046	-3.713	-3,379	-3.046	12.715	-2,386	-2.053
44000	-5.053	-4.719	-4.386	-4.053	-3.719	-3.386	-3.053	-2.720	-2,393	-2.060
46000.	-5.059	-4.726	-4.392	-4.059	-3.726	-3.392	r)	-2.726	-2.398	-2.066
48000	-5.065	-4.732	-4.399	-4.065	-3.732	-3,399	-3.065	12.732	-2.402	-2.072
50000	-5.071	-4.738	-4.404	-4.071	-3.738	-3.405	-3.071	-2.738	-2.405	-2.078
55000	-5.085	-4.751	-4.418	-4.085	-3.752	-3.418	-3.085	12.752	-2.418	-2.089
•0000	-5.097	-4.764	-4.431	-4.097	-3.764	-3.431	-3.098	-2.765	-2.431	-2.098
ċ	-5.109	-4.775	-4.445	-4.109	-3.776	-3.442	-3.109	-2.176	-2.443	-2.109
7000	7	-4.786	-4.453	-4.120	-3.786	-3.453	-3.120	-2.787	\$ 45	-2.120
750.00	-5.129	-4.796	-4.463	-4.130	-3.796	-3.453	.13	-2.797	• 46	-2,130
800 0		-4.805	-4.472	-4.139	-3.806		• 13	-2.806	-47	-2.140
	7	-4.814	-4.481	-4.148	-3.814	.48	• 14	-2.815	•	-2.149
00006	~	-4.822	-4.489	-4.156	•	• 48	-3.156	82	-2.490	-2,157
95000	-5.164	-4.830	16404-	-4.164	-3,830	-3.497	-3.164	83	-2.497	-2.165
00000	7	-4.838	-4.504	-4.171	-3.838	-3.504	• 17	.83	-2.505	-2.172
25000	G	-4.870	-4.537	-4.203	-3.870	-3.537	-3.203	-2.870	S.	-2.204
•00	Ŋ	•	-4.563	-4.230	-3.896	-3.563	-3.230	12.896	-2.563	-2.230
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-2.590 -2.598 -2.605 -2.620 -2.623 -2.637 -2.574 -2.611 -2.682 -2.682 -2.691 -2.700 -2.649 6.000 -2.863 -2.859 -2.874 -2.950 -2.956 -2.970 -2.983 -2.994 -3.005 -3.015 -2,851 -3.033 -3.049 -3.185 -3.197 -3.202 -3.208 -3.213 -3.223 -3.232 -3.240 -3.247 -3.250 -3.257 -3.264 -3.316 -3,327 -3,338 -3,348 -3.284 -3.366 4.000 -3.278 -3,303 -3.448 -3,357 -3,382 -3,530 -3,536 -3,541 -3.546 -3.556 -3.554 -3.567 -3.583 -3.583 -3.599 -3.708 -3.715 -3.723 -3.755 -3.781 -3.863 -3.869 -3.874 -3.879 -3.884 -3.892 -3.900 -3.909 -3.917 -3,950 -4.005 -4.015 -4.024 -4.033 2 000 -3.851 -3.938 -3,982 -3.944 -3.970 -3,994 -4.049 -4.184 -4.191 -4.201 -4.206 -4.216 -4.225 -4.234 -4.242 -4.250 -4.264 -4.284 -4.289 -4.303 -4.327 -4.338 -4.348 -4.357 -4.316 -4.196 -4.277 -4.366 -4.374 -4.382 -4.528 -4.528 -4.534 -4.539 -4.539 -4.558 -4.558 -4.558 -4.575 -4.583 -4.623 -4.633 -4.517 -4.598 -4.671 -4.681 -4.690 -4.699 000 -4.649 -4.723 -4.611 -4.661 -4.715 မှ မြ 4.8882 4.4.892 4.4.900 4.909 4.909 4.924 4.931 -4.856 -4.862 -4.867 -5.056 -5.088 -5.115 -4.872 -4.938 -4.950 -4.956 000 I -5.177 -5.183 -5.189 -5.195 -5.200 -5.200 -2,000 Q/ ¥ ATPMIC SPECIES : SG K/LoG 95000 100000 125000 150000

-2.224 -2.224 -2.232

-2.241

-2.203

-2,215

-2.204

-2,206

-2.257 -2.272 -2.278 -2.278

-2.291 -2.296 -2.308

-2.316 -2.328 -2.338 -2.348 -2.358 -2.356 -2.356

-2.448

-2,390

T DEG K/LOG PS	00? ? N	1.000	000.	1.000	8.000	3°300	0000	S * 000	0000	7.000
38000	-5.341	E 0 0 8	-4.675	4 341	-4.008	-3.675	L3_341	13_015	-2.682	-2,349
400004	-5.349	15015	-4.682		-4.015	. 53	34	13051	• 68	•
42000	-5,356	-5022	-4.689	14 356	1	-3.689	13 356	520 E1	-2.696	-2,363
*00044	-5.362	-5-029	-4.696	14 362	1	-3.696		13 029	٠,	-2.370
46000	-5.369	E 0 35	-4.702	14 369	,	-3.702	36	920 21	.70	-2,376
48000	-5.375	5 0 42	-4.708	-4 375	4-	-3.708	13 375	4	-2.711	-2,382
50000	-5.381	0	-4.714	-4 381	-4.048	-3.714	188 291	13 048	-2,715	-2,388
55000	-5.394	15061	-4.728	-4 395	-4.061	-3.728	368 61	13 062	-2.728	-2,399
100009	-5.407	5 07	-4.740	104 4-	-4.074	-3.741	-3 407	440 61	-2.741	-2.408
65000	-5.419	0	-4.752	4 419	-4.085	-3,752	-3 419	13 086	-2.752	-2.419
70000	-5.429	90	-4.763	4 429	-4.096	-3.763	-3 430	960 51	-2,763	-2.430
75000•	-5.439	-5 106	-4.773	14 439	-4.106	-3,773	13 440	901 81	-2,773	-2.440
80000	-5.449	-5 115	-4.782	644	-4.115	-3.782	-3 449	13 116	-2.782	-2.449
85000	-5.457	5 12	162.4-	4 457	-4.124	-3.791	-3 458	13 124	-2.791	-2.458
•00006	-5.466	-5.132	-4.799	4 466	-4.132	-3.799	3 466	EE1 E1	-2.799	-2.466
\$5000°	-5.473	5.14	-4.807	4 473	-4.140	-3.807	474	13 140	-2.807	-2.474
100000	-5.481	-5 147	-4.814	4 481	-4.148	-3.814	-3 481	13 148	.81	-2.481
125000*	-5.513	5 18	-4.846	4 513	-4.180	-3.847	-3 513	081 81	-2.847	-2.513
150,000	-5,539	-5.206	-4.873	4 539	-4.206	-3.873	5	0	-2.873	54
A VHIUNGS DIRECT										
T DEG	a 000 • NI	000	000	1 • 000	N • 0 0 0	000°E	600°	000	0000	7.000
55000-	-5.477	1 44	-4.811	-4.477	14-144	m 1	-3.478	-3.144	12.811	-2.482
e 0009	-5.490	151 31	14.823	-4.490	. ~	m		-3.157	12.824	-2.490
00000	-5.501	158	14.835	-4.501	-4 168	m	-3.502	-3.168	588.21	-2,502
10000	-5.512	521 51	14.845	-4.512	179	m		-3.179	12.846	-2,513
75008	-5.522	15 189	14.855	-4.522	-4 189	928 m1	-3.522	-3.189	-2.856	-2.523
g0008	-5.531	198	14.865	-4.531	198	m	•	-3.198	12.865	-2,532
85000	-5.540	-5 207	-4.873	-4.540	-4 207	m	-3.540	-3.207	12.874	
00006	-5.548	212	14.882	-4.548	-4 215	2.88 m 1	-3.549	-3.215	12.882	ທ
00000	-5.556	-5 223	068.41	-4.556	-4 223	m	-3.556	2	-2.890	-2,557
100000	-5.564	-5 230	768.4-	-4.564	14 230	m	•	m	-2.897	-2.564
125000	-5.596	-5 263	14.929	-4.596	14 263	m	.59	20	-2.929	-2,596
150000	-5.622	-5 289	-4.956	-4.622	14 289	m	-3.622	8	-2.956	-2.622

LOG OF THE DEPRESSION OF THE CONTINUM

ATOMIC SPECIES : K	12									
T 08G KALDG PS	-2.000	-1.000	0000	1 000	. 2.000	000 E	4.000	5.000	000*9	7.000
75000	-5.598	-5,264	14.931	-4 598	-4.264	-3_931	-3.598	13_265	-2,931	-2,598
80000	-5,607	-5.274	14°940	-4 607	-4.274	-3 940	-3.607	13 274	-2.941	-2.607
85000	-5.616	-5,282	14.949	-4,616	-4.282	-3 949	-3,616	13 283	-2,949	-2.616
00006	-5.624	-6.291	14.957	-4. 624	-4.291	-3 957	-3.624	13 291	-2,958	-2.624
00056	-5,632	-5,298	14.965	-4,632	-4.299	-3 965	-3.632	13 299	-2,965	-2,632
100006	-5.639	-5,306	14.972	-4. 639	-4.306	-3 973	-3.639	13 306	-2,973	-2.640
125009	-5.671	-6,338	-5.005	-4-671	-4.338	-4 005	-3.672	13 338	-3,005	-2.672
150000	-5.698	-5,364	15,031	-4-698	-4.365	-4 031	-3.698	8 8 8 9 1	-3.031	-2.698
PTOMIC SPECISS : K	13									
T OEG KALDG PR	-2.000	-1,000	000-0-	1.000	3 3	3.000	4 • 0 0 0	0 0 0 VI	000	7.000
. 6	1.50.693	15,360	-5.027	4.694	14.360	-4 027	-3.694	13_360	-3_027	-2,694
■ (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	- 201	9 9 9 9	4 6	-4-701	I de	-4 0 3E	13.701	1 N S	I I	-2.702
	1000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		101.4	I 4 1	640	1017.6-	1 3 376	0 40 0 40	-2.709
00000	N	000	740.0	4.109		7 0 4	-24.5) (C	100 1	-2.741
150000	-5.767	15.434	-5.101	-4.767	14.43	4 101	-3.767	13 434	13,101	-2.768
ATOMIC SPECIES : K	4									
T DEG K/LOG PE	-2.000	-1.000	000.0-	1.000	2.000	3.000 B	4.000	5.000	0. 0 9	7.000
				:			1		1	Ì
1250000	-5.832	-5.472	-5.139	-4 • 05 -4 • 0 05 -4 • 0 05	-4.472	-4 139 -4 155	-3,805	3.472	-3.165	-2. m32
ATOMIC SPECIES : <										
T DEG KZLOG PE	-2.000	-1.000	000.0-	1.000	2.000	0 0 0 m	000	0 0 0 VI	000.9	000
125000	80 80 80 80	1 8 8 8 8	1 69	14.855	-4-532	-4-199	13.465	-3.532	-3.199	-2. ¤66
150000	-5.892	-6.558	-5.225	-4.892	-4.558	-4.225	-3°35	-3.558	-3.225	-2,392

000 000 N		o m	8 * * * * * * *	2.000	000 ** ** ** **	0 **	00 # 00 # 10 # *	00	000 **
ı N	712	2.3	-2.021	.61	****	***	****	***	***
CA L	N .	12.404	12.055	-1.748	-1.409	****	***	*****	***
-2.795	• W	4	10	1.77		-1.198	***	****	***
ĺΝ	_	O.	(N)	• 79	1.45	٠,	0.88	***	**************************************
-Z•867		4 4	2.15		-	11.108	1.004		***
7.838		12.003	-2.169	-1.836	• •	• 19	: -	\$6\$ 0-	***
-2.849		5		-1.849	51	-1.198	00.	-0 754	-0 402
-Z.860		N	-2,195		1.5	• 19	1.00	452 0	10 402
-Z.871		2.5	-2.204	-1.872	50 j	-1.204	.	$\boldsymbol{\sigma}$	04 4
-Z.881		2.54	2.21	-1.881	-	1.004	400	0 1	404
068.Z-		12.00	12.024	-1.899	-1.566	-1.233		200	-0 402
7.967		200	2.24	-1.907		•24	. •	452 01	-0 402
-Z-915		-2.582	-2.248	-1.915	. •	.24	-1.106	10 754	-0 402
-2.922		-2.589	-2.256	-1.922	• 58	-1.256	_	154	-0-402
-2,929		68.	-2.263	-1.930	•	-1.263	-1.106	888 O1	402
-Z+935		-2.603	-2.270	1.93	-1.603	-1.270		80 0 80 0 1	204
-Z+938		2.60	-2.276	1.943	609-1-	0.25.0	11.100	000	404
-N. 942		-2.617	12.282	11.04.4	-1.621	-1.288	4	888.01	-0 402
010.01		1 (-2.293	-1.960	-1.627	-1.294	-1.106	m m 8	-0 402
696.Z-		-2,625	-2.296	-1.966	-1.633	-1.299	-1.106	m m 8	-0 402
-2.964		-2.631	-2.297	-1.970	-1.638	-1.304	-	m r m r	10 402
-2.969		-2.636	-2,302	.97	-1.643	-1.310	11.100	n d n d o n	004
416.Z-		12.050	-2.317	-1.983	-1.655	-1.324		88 B	-0 402
256.2-		(V	-2,325	-1.992	-1,659	-1.332	-1.198	m m • •	-0 402
-3 000		C	-2.334	-2.000	-1.667	-1.338	-1.198	8 m m	-0 402
-3.008		-2.675	-2.341	2.00	-1.675	• 34		00 c m r m r	402
-3.015		α.	-2.349	-2.015	1 . 6 8 2	245	•	n d	2 6
1 IA 0 2 2		-2.689	-2,356	12.022	-1.696	-1.363	-1.198	0000	10.402
6 0 0 E		1 0	2,36	2.03	-1.702	-1.369	-1.198	10.888	
-3.045		O	-2.375	-2.042	-1.708	-1.375	-1.198	10.888	
-3.047		-2.714	-2.381	-2.048	-1.714	-1,381	-1.198	888°	
-3,061		-2.728	-2,395	-2.061	-1.728	-1.395	-	-0.888	-0.595
470 VI		-2.740	-2.407	-2.074	-1.741	-1.407	~ .	88	
-3.065		-2.752	• 41	-2.085	-1.752	-1.419	•	00	
950*E-		-2.763	-2.429	60	• 76		-	4 00 0 1 1	
-N. 1 06		-2.773	• 43	• 10	. −	44		† 00 1 1	-0.595
-3,115		-2.782	4	-2.115	-1.782	-1.449	1.19	\$ 00 1 1	-0 595
-3,124		-2.791	-2.457	.12	.79	4	1 . 19	4 00 1 1	
-3.132		2.2	-2.466	∹.	-1.799		-1.198	4000	10000
1.140		12.807	-2.413	-2-148	11.814	-1.481	-1-198	1.004	
****		10.0	•	:	•	,			! !

ATOMIC SPECIES : CB 2

0 0 0 I-	- 	-1.142
000	* * * * * * * * * * * * * * * * * * *	-1.475
4 00 ss	* * * * * * * * * * * * * * * * * * *	-1.808
000	* * * * * * * * * * * * * * * * * * *	• 1 4
000 m	* * * * * * * * * * * * * * * * * * *	-2.475
2.000	*	-2.808
1.000	* 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-3.142
0 0 0 0	1 1 2 2 2 3 3 3 3 3 3 3	-3.475
000		-3.808
-2,000		-4.141
T DEG K/LOG PE	6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	$\boldsymbol{\alpha}$

ATOMIC SPECIES : CA 3

DEG KZLOG PE	-2.000	1.000	000.01	0000	2.000	000 E	000	000 S	000.9	000
										•
0000	-3.990	99•	930	-2.995	-2.654	×	****	***	* * * * * *	***
	-4.009	3.67	-3.359	-3.036	2	2,33	***	****	***	***
_	-4.036	-3,702	-3.369	-3.036	9	W.	*	****	***	***
7000	-4.061	-3.749	-3,391	-3.058	12	-2.391	2.03	*	***	***
8000	-4.078	-3.746	ğ	20	-2.744	• 41	• 07	-	***	***
000	-4.094	-3.761	-3.429	-3.105	92.	å	-2.094	1.757	*	****
0000	-4.109	-3.776	*	-	.77	4		-	40	***
_	-4.125	-3.790	4	12	62	2.45	• 12	₹.	4	* *
	-4.136	-3.804	-3.469	-3.136	-2.803	-2.476	• 13	-1.803	-1.469	•
13000	-4.148	-3,815	-3.482	-3.147	2.81		• 14	-1.814		7
0	-4.158	-3.825	-3.492	_	-2.824	-2.492	S.		640	
0	-4.168	-3.835	-3.502	-3.169	83		-2.171	-	•	•
0004	-4.178	-3.844	-3.511	-3.178	8		-2.179	-	-1.511	
1 7000	-4.186	-3.853	-3.520	-3.187	٠	•	-2.186	-	.51	-1.198
18000	-4.195	-3.861	-3.528	-3.195	-2.862	•	-2.195	-	52	61.
1 90 00	-4.203	-3.869	-3.536	-3,203	٠	-2.537	\$ 20	-1.870	53	
20000	-4.210	-3.877	-3.543	-3.210	-2.877	ŝ	-2,212	744		•
21000	-4.218	-3.884	-3.550	-3.217	-2,884	ıÇ	-2.218	-1.885	-1.556	
22000	-4.225	-3,891	-3.557	-3.224	-2.891	S	-2.224	-	-1.560	
23000	-4.227	658*6-	-3.564	-3.230	-2.897	-2.554	-2.231	-1.899	-1.565	-1.230
24000	-4.230	-3.903	-3.570	-3.236	-2.903	.57	-2.237	-1.905	-1.571	-1.236
25000	-4.236	-3.905	-3.578	-3.242	-2.909	-2.576	-2.242	-1.910	-1.578	-1.242
26000	-4.241	-3.909	-3.582	-3.248	-2.915	-2.581	• 24	-1.915	-1.585	-1.248
•	-4.246	-3.913	-3.584	-3.255	-2.920	-2.587	-2.254	-1.921	-1.590	-1.258
28000	-4.251	-3.918	-3.587	-3.261	-2.926	-2.592	-2.259	-1.926	-1.594	-1.262
29000	-4.256	-3.923	-3.591	-3.262	-2,931	-2.597	-2.264	-1.931	-1.599	-1.267
30000	-4.261	-3,928	-3.595	-3,265	-2.938	-2.602	-2.269	-1.936	-1.603	-1.273
32000	-4.271	-3,937	-3.604	-3.272	-2.943	-2.612	-2.278	-1.945	-1.612	•
34000	-4.279	3,946	-3.613	-3.280	•94	-2.623	-2.287	-1.954	-1.621	-1.290
36000	-4.288	-3.954	-3.621	-3.288	98	-2.627	-2.296	-	• 62	
38000	-4.295	-3.962	-3.629	-3.296	•	-2.631	-2.306	-1.970	• 63	-1.304
_	-4.303	-3.970	-3.636	-3.303	-2.970	-2.637	-2.309	-1.978	-1.644	1.311
42000	-4.310	-3.977	-3,643	-3,310	-2.977	-2.644	-2.314	-1.986	• 65	31
44000	-4.317	-3.983	-3.650	-3,317	•	-2,650	-2.319	-1.993	. 65	•
46000	-4.323	-3.990	-3.656	-3,323	-2.990	• 65	-2.324	-1.996	-1.665	•
\overline{a}	-41329	956.6-	-3.663	-3,329	-2.996	-2.663	-2.330		•67	-1.337
0000	-4,335	14.002	-3.668	-3,335	-3.002	• 66	-2 • 335	Q.	•	
55000	-4.349	-4.015	-3.682	-3,349	0	• 63	-2,349	2.01	• 68	-1.355
_	-4.361	-4.028	-3.695	-3.361	-3.028	-2.695	-2.362	2.05	69.	•
■ 00059	-4.373	-4.040	-3.706	-3,373	0	-2.706	-2,373	-2.040	-1.708	•
10000	-4.384	-4.050	-3.717	-3,384	0	-2.717	QI.	2.0	• 71	•
15000	-4.393	-4.060	-3.727	-3,394	-3.060	.72	• 39	-2.061	. 72	•
80000	-4.403	-4.069	.73	•	.07	• 73	• 40	.07	.73	0
_	-4.412	-4.078	-3.745	-3.412	-3.078	• 74	-2.412	0		-1.413
_	-4.420	-4.086	-3,753	-3.420		-2.753	• 42	• 08	13	
95000	-4.428	4.084	92.	.42	60.	• 76	42	2.09	• 76	42
000	-4.435	-4.102	•	• 43	-3.102	-2.769	4	0	٠	4
125000	4	-4.134	8	-3.467	₽ 133	-2.801	4	• 13	.80	*
_	464.4-	-4.160	-3.827	-3.494	-3.160	-2.827	-2.494	-2.160	-1.827	-1.494

LOG OF THE DEPRESSION OF THE CONTINIUM

ATOMIC SPECIES : CA 4

F OSG K/LOG PS	-2.000	-1-000	0000	1 • 000	2.000	3.000	000.4	5.000	000	000
0009	-4.340	55.	-3.660		98	9	*	***	****	****
7000	-4.308		-3.692	m I	iù i	2.67	•	* *	* 4	***
	-4.327	456.01	ייני	, 1	י ני	2.5	00.00	1	*	***
	448.4-	-4.011	-3.678	ų, ju	13.064	-2.720	3.0	10 043	*****	*****
10000	-4.30L	य ४	7000	-3-300 -3-37¢	ָרָרָי מילי		4 4 5	2 0 2	4	***
	4-386	10.41 10.00	, (c)	'n	'n	2.71	2.42	2	-1.751	-1.261
13000	868	4	m	3,39	0.0	-2.731	.41	2.11	.76	-1.407
14000	-4.40B	4	(با	-3.408	-3.076	-2.742	.40	-2=114	.77	-1.426
	-4.418	-4.085	-3.752	-3.418	-3.085	-2.752		-2=106	.79	• 44
16000	-4.428	450.4-	-3.761	-3.428	-3.094	-2.763	-2.428	-2=105	-1.812	
	-4.436	-4.103	-3.770	-3.436	L)	w	å	•••	89	40
	-4.445	-4.11L	177	-3.445	رب د	CU 1	oi i		67.	8
19000	-4.452	4	.,	-3.453	M)	CI I	ġ.		6/.	-1.501
	-4.460	-4.127		-3.460	m 1	-2.793	o c		-1.801	1.504
21600	-4.468	-4.134	-3.800	-3.467	-3.134		N.		•	006.1-
22000	-4.475	-4.141	-3.807	-3.474	-3.140	(V	2.47	•	•	11.498
23000	-4.477	-4-149	13.814	-3.480	-3.147	ú c	4 4		-1.00 -1.00	11.498
24000	-4.480	-4.153	-3.820	-3.486	-3.153	Ň	• 43		128.1-	664.1
25000	-4.485	-4.155	-3.828	'n.	-3.159	ผื	4.0		-1.827	105.1-
26000	-4.491	-4.159	-3.832	m.	-3.165	ญ้	4.0	-2=165	-1.831	-1.499
27000	-4.496	-4.163	-3.834	iù •	-3.170	Ņ.	20	-2=170	-1.840	-1.505
	-4.501	-4.168	-3.837	-3.511	-3-175	ผื	.50	-2=176	11.844	-1.510
29000	-4.506	-4.173	-3.841	5	-3.181	-2.847	o.	-2=181	-1.849	-1.515
30000	-4.511	-4.178	-3.845	Ę	-3.188	٠	ġ.	-2=185	-1.853	-1.523
32000	-4.521	-4.187	-3.854	,	-3.193	N	Ņ.	-2=195	1.802	-1.528
34000	-4.529	-4.196		r.	-3.198	ů	o, i	12=204	-1.871	040.
36000	-4.538	-4.204	-3.871	ï	-3.205	ů	,	, 10	•	11.04
38000	-4.545	-4.212	-3.879	17.0	-3.212	Ċ	Ņ.		-1.885	-1.554
	-4.553	-4.219	-3.886	17.8	-3.220	å	N.	10	-1.894	-1.561
4 20 00	-4.560	-4.227	-3.893	e,	-3.227	ď.	ญ์ เ	.,	-1.901	1. 508 1. 508
44000	-4.566	-4.233	000.5-	1,5	-3.233	ď,	o (80.0	11.07(3
0009	-4.573	-4.240	-3.906	נ עי	-3.240	Ň	Ņ.	2 2 2 2	016.	100.
48000	-4.579	-4.246	-3.912	-3.579	-3.246	-2.913	Ņ (v	776.	10001
50000	-4.585	-4.252	-3.918		-3.252	N.	,	v	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	260.11
22000	665.4-	-4.265	13.932	,,,	-3.266	å i	N C		-1.93	-1.601
00009	-4.611	-4.278	ij.	3.01	-3.278	v i	,	v		10001
	-4.623	-4.289		3.62	-3.290	Ň.	Ň.		1000	-1.029
	-4.633	-4.300	•	-3.633	-3.300	Ņ	oi.			-1.637
75000	-4.643	-4.310	•	-3.643	-3.310	•		-2=311	~	-1.646
80000	-4.653	4.319	-3.986	-3,653	-3,319	å	-2.653	-2=320	_	-1.654
	-4.661	-4.328	•	-3.662	332	-2+995		-2=328	-	-1.663
00006	-4.670	-4.336	•	-3.670	3	-3.003	-2.670	(4	00	-1.671
	-4.677	-4.344	-4.011	. 67	34	-3.011	.67	-2=344	• 01	-1.678
	-4.685	-4.352	0	-3,685	-3.352	0	9			
25000	-4.717	-4.384	-4.051	-3.717	-3.384	-3.051		12 23 4	0 6	
150000	-4.744	-4.410	-4.077	-3.744	-3.410	-3.077	-2.744	014=2-	170.21	-1.744

PTGMIC SPECIES : CA 5

T DEG K/LOG DE	-2.000	1.000	000.0-	1.000	2.000	000 0	4.000	2 000	6.000	7.000
	-4-538	-4-205	-3.872	-3.549	-3.258	-2.914	-2.576	-2_237	****	* ***
3 6	F. F. F. F.	4.22	M	10	3.23	2.94	5.9	٩	-1.896	****
	-4.567	23	0.00		23	2.92	•	~	-1.924	****
200	-4.580	-4.247	6	-3.580	-3.247	-2.913	61	-2=288	-1.944	
1 CO O	-4.591	-4.258	m	3.59	25	-2.925	-2.608	30	-1,955	
	-4.602	-4.269	-3.935	-3.602	-3.270	-2.936	-2.602	-2=308	-1.971	•
0000	-4.612	-4.279	-3.945	•	-3_279	-2.946	-2.612	-2-300	-1.989	-1.635
000	-4.621	-4.288	-3.955	-3.621	-3+288	-2.956	-2.622	-2 299	-2.006	-1.649
	-4.630	-4.297	-3.964	-3.630	-3.297	-2.964	-2,631	-2 297	-1.997	-1.663
8000	-4.638	-4.305	-3.972	-3,639	-3,305	•	-2.640	-2 306	-1.993	•
, COOO #	-4.646	-4.313	-3.980	-3.646	-3,313	96.	-2.646	-2 314	-1.993	-1.695
20000	-4.653	-4.320	-3.987	-3.654	-3,320	-2.987	65	-2,322	-1.995	•
21000	-4.662	-4.327	-3.994	-3.661	-3,327	-2.994	•	-2,329	-1.995	
22000	-44669	-4.334	-4.001	-3.667	13.334	-3.001	-2.668	-2=334	-2.002	•
23000	-4.670	-4.342	-4.007	-3.674	-3 341	-3.007	-2.674	-2=341	-2.009	•
00048	-4.674	-4.347	-4.014	-3,680	-3.347	-3.013	-2.680	-2=347	-2.015	
00000	-4.679	-4.349	-4.021	-3.686	-3 _{35B}	-3.019	•	-2=353	-2.021	
00000	-4.685	-4.353	-4.026	-3.692	-3,358	-3.025	•69	-2 358	-2.025	
00020	-4.690	-4.357	-4.027	-3.699	-3.364	-3.030	-2.697	-2 364	-2.031	-1.699
00000	-4.695	-4-362	-4.030	-3,705	-3.369	-3.036	-2.702	-2 369	-2.036	-1.704
00000	-4.700	-4.367	-4.034	-3.706	-3,375	-3.041	-2.707	-2 374	-2.041	-1.709
00000	-4.705	-4.372	-4.039	-3.708	-3.381	-3.046	-2.712	-2 379	-2.046	-1.713
0000	-4.714	-4.381	-4.048	-3,715	.38	-3.056	-2.722	-2,388	-2.055	-1.722
34000	-4.723	-4.390	-4.057	-3.724	-3,392	-3.067	-2.731	-2=397	-2.064	-1.731
00000	-4.731	-4.398	-4.065	-3.732	-3.399	-3.070	.74	-2=406	-2.072	-1.739
38000	-4.739	-4.406	-4.073	-3,739	-3.406	-3.075	-2.750	41	-2.080	-1.747
00004	-4.747	-4.413	-4.080	-3.747	-3.414	-3.081	-2.753	-2 421	-2.088	-1.754
4 2000	-4.754	-4.420	-4.087	-3,754	-3.421	-3.088	-2.757	-2 430	-2.095	-1.761
4000	-4.760	-4.427	-4.094	-3.760	-3.427	-3.094	-2.762	-2 436	-2.102	-1.769
46000	-4.767	4	-4.100	-3.767	-3.434	-3.100	•76	-2 440	-2.108	•
48000	-4.773	-4.440	-4.106	-3,773	-3.440	-3.137	-2.774	-2 444	-2.116	• .
50000	-4.779	-4.445	-4.112	-3.779	-3.446	-3.112	-2.779	-2 448	15	•
55000	-4.792	-4.459	-4.126	-3.793	-3.459	-3.126	-2.793	-2-460	.13	•
00009	-4.805	-4.472	-4.138	-3.805	-3.472	-3.139	-2.805	-2=472	• 1 4	-1.815
65000	-4.817	-4.483	-4.150	-3.817	-3.483	-3.150	-2.817	-2=484	-2,151	
10000	-4.827	454.4-	-4.161	-3.827	+6+°n-	-3.161	-2.828	-2=494	-2.162	
15000	-4.837	-4.504	-4.171	-3.837	-B. 504	-3.171	•	-2=504	• 17	•
80000	-4.847	-4.513	-4.180	-3.847	-3.513	-3.180	-2.847		.18	
85000	-4.855	-4.522	-4.189	-3,855	-3.522	-3.189	.85	-2 525	-2.189	
00006	-4.863	-4.530	-4.197			-3.197	-2.864	Ŋ	• 19	٠
95000	-4.871	-4.538	-4.205	-3.871		-20	-2.871	-2 538	. 20	-1.872
100000	-4.879	-4.545	-4.212			-3.212	-2.879		2.	•
125000	-4.911	-4.578	-4.244	-3.911	-3 578	-3.244	-2.911	-2 578	-2.245	-1.912
150000	-4.937	-4.604	-4-271	•	#09 E	-3.271	-2.937		-2.271	-1.938

ATOMIC SPECIES : C	CA 6									
T D G K/LOG PE	-3•0 = 0	-1.000	000*0-	1.000	2.000	3.000	4.000	5.000	000•9	7.000
■ ■					•					
30 00	0 2 . 4 -	-4.416	-4.083	-3.751	-3.417	-3.083	-2.766	• 46	.11	-1.760
4000	-4.7	-4.427	-4.094	-3.761	-3.429	-3.094	-2.761	-2.467	-2.129	-1.779
50 00	0 2.4	-4.437	-4.104	-3,771	-3.437	-3.105	-2.771	-2.458	• 1 4	-1.793
•00 09	-4.7 m 0	-4.446	-4.113	-3.780	-3.447	7	-2.780	-2.457	•16	-1.807
7000	6-2-5-	-4.455	-4.122	-3.789	-3.455	-3.122	-2.790	-2.455	-2.156	-1.822
8000	7-4-7	-4.463	-4-130	-3,797	-3.464		• 79	-2.464	7	-1.837
• 00 06	-4.8	-4.471	-4.138	-3.805	-3.471	-3.138	-2.805	-2.472	-2,151	-1.854
•0000	-4.8	-4.479	-4.145	-3.812	-3.479	4	.81	-2.480	-2.154	-1.856
1000	78.4-	-4.486	-4.152	-3.819	-3.486	-3,153	.81	-2.487	~	-1,852
20 00	-4.8B9	-4.492	-4.159	-3.826	-3.493	-3.159	.82	-2.493	-2.160	-1.850
30 00	-4•8	-4.495	-4.165	-3,832	-3.499	.15	-2.832	-2.499	-2.167	-1.850
4000	-4.8	-4.498	-4.170	-3.838	-3.505	.17	-2.839	-2.505	-2.174	-1.851
5000	7-8-8-7	-4.504	-4.173	-3.844	-3.511	.17	.84	-2.511	-2.179	-1.854
60 00.€	14.8	-4.569	-4.176	-3.849	-3.517	-3.183	-2.850	-2.517	-2,183	-1,851
T000.	-4.8	-4.515	-4.182	-3.852	-3.522	-3.189	-2.856	-2.522	-2,189	-1.857
8000	-4.854	-4.520	-4.187	-3.854	-3.527	-3.194	-2.861	-2.528	-2.194	-1.862
9000	-4.859	-4.525	-4.192	-3.859	-3.530	-3.199	-2.865	-2.533	-2.199	-1,868
•0000	-4.863	-4.530	-4.197	-3.864	-3,532	-3.204	-2.871	-2.537	-2.204	-1.872
2000	-4.873	-4.539	-4.206	-3.874	-3.540	-3,211	-2.880	-2.547	-2.214	-1.880
4000	-4.881	-4.548	-4.215	-3.882	-3.548	-3.215	-2.888	-2.555	-2.222	-1.889
• 00 09	-4.890	-4.556	-4.223	-3.890	-3.557	-3.223	-2.895	-2.564	-2.230	-1.897
8000	-4.898	-4.564	-4.231	-3,898	-3.565	-3,233	-2.898	-2.571	-2.238	-1.905
•0000	-4.9 5	-4.572	-4.238	-3,905	-3.572	-3.240	-2.905	-2.577	-2.246	-1.912
2000	2 6.4-	-4.579	-4.245	-3,912	-3.579	-3.246	-2.916	-2.581	-2.252	-1,919
4000*	6 6 7-	-4.585	-4.252	-3,919	-3.586	-3.252	-2.921	-2.586	-2.259	-1.926
.0009	-4.9 5	-4.592	-4.259	-3,925	-3.592	-3.259	-2.926	-2.598	-2.264	-1.932
8000	-4.9	-4.598	-4.265	-3,931	-3.598	-3.265	-2.932	-2.602	-2.268	-1.938
*0000S	7 6.4-	-4.604	-4.271	-3,937	-3.604	-3.271	-2.938	-2.606	-2.281	-1. 944
5000	1 6.4-	-4.618	-4.284	-3,951	-3.618	-3.284	• 95	-2.619	-2.289	-1.955
• 00 00	-4.9	-4.630	-4.297	-3,964	-3.630	• 29	-2.964	-2.631	-2.299	-1.973
65000	-4.975	-4.642	-4.308	-3.975	-3.642	-3,309	-2.975	-2.642	-2.310	-1.981
70000+	-4.986	-4.652	4.319	-3.986	-3.653	31	-2.986	-2.653	-2.320	-1.989
- 80 00 ·	9 6 7	-4.662	-4.329	9	99.	-3,329	-2.996	-2.663	-2.330	-1.998
0000	-5.0	-4.672	-4.338	-4.005	19.	-3,338	00.	-2.672	-2,339	-2.006
5000	-5.0 4	-4.680	-4.347	-4.014	-3.680	34	•01	-2.681	-2.348	-2.015
•0000	-5.0 2	-4.689	-4.355	-4.022	-3.689	35	• 02	-2.689	2,35	-2.023
2000	0 0 9	-4.696	-4.363	-4.030	-3.696	٠	-3.030	-2.697	• 36	-2.031
1 0000	-5.0 7	-4.704	-4.370	-4.037	-3.704	.37	-3.037	•	.37	-2.038
1 5000	6 0.5-	-4.736	-4.403	-4.069	.73	.40	•06		2.4	-2.070
1 0000	-5.0 6	-4.762	4.459	-4.096	-3.762	-3.429	-3.096	-2.763	-2.429	-2.096
•	l									

ATOMIC SPECIES : CA 7

T DEG K/LOG PE	-2.000	000	000.0-	1.000	2.000	3.000	4 • 000	5.000	000.9	7.000
16000.	-4.914	-4.580	-4.247	-3.914	-3.580	-3.249	-2.914	-2.591	-2.298	-1.941
17000	-4.922	-4.589	-4.256	-3.923	-3.589	-3.256	-2.923	-2.589	-2.290	-1.955
18000	-4.931	-4.597	-4.264	-3,931	-3.597	-3.264	-2.932	-2.598	-2.286	-1.971
19000	-4.938	-4.605	-4.272	-3.939	-3.605	-3.272	-2.939	-2.606	-2,285	-1. 987
20000	-4.946	-4.613	-4.279	-3.946	-3.613	-3.279	-2.945	-2.614	-2.288	-1.990
21000.	-4.951	-4.619	-4.286	-3.953	-3.620	-3.286	-2.953	-2,621	-2.287	-1.986
22000.	-4.953	-4.625	-4.293	-3.960	-3.626	-3.293	-2.960	-2.627	-2.294	-1.984
23000.	-4.959	-4.629	-4.299	-3.966	-3.633	-3.300	-2.966	-2.633	-2.301	-1.984
24000•	-4.965	-4.632	-4.304	-3.972	-3.639	-3,306	-2.972	-2.639	-2.307	-1.985
25000.	14.971	-4.638	-4.307	-3.978	-3.645	-3,312	-2.978	-2.645	-2,313	-1.987
26000	716.4-	-4.643	-4.310	-3,983	-3.650	-3,317	-2.984	-2.651	-2,317	-1.985
27000.	-4.982	-4.649	-4.316	-3.986	-3,656	-3,323	-2.989	-2,656	-2.323	-1.991
28000	286.4-	-4.554	-4.321	-3.987	-3,661	-3,328	-2.995	-2.661	-2.328	-1.996
29000	-4.992	-4.659	-4.326	-3,993	-3.664	-3,333	-3.000	-2.666	-2.333	-2.001
30000	-4.997	-4.664	-4.331	-3.997	-3,666	-3,338	-3.005	-2.671	-2,338	-2.006
32000	-5.007	-4.673	-4.340	-4.007	-3,673	-3,345	-3.014	-2.681	-2.347	-2.014
34000.	-5.015	-4.682	-4.349	-4.015	-3.682	-3.349	-3.022	-2.689	-2,356	-2.023
36000	-5.024	-4.690	-4.357	-4.024	-3.690	-3.357	-3.029	-2.697	-2,364	-2.031
38000	-5.031	-4.658	-4.365	-4.031	-3.698	-3,355	-3.032	-2.705	-2.372	-2.039
40000	-5.039	-4.706	-4.372	-4.03.9	-3,706	-3.372	-3.039	-2.711	-2+379	-2.046
42000	-5.046	-4.713	-4.379	-4.046	-3,713	-3.379	-3.046	-2,715	-2.386	-2,053
44000	-5.053	-4.719	-4.386	-4.053	-3.719	-3,386	-3.053	-2.720	-2,393	-2.060
46000	-5.059	-4.726	-4.392	-4.059	-3,726	-3.393	-3.059	-2.726	-2.398	-2.066
48000	-5.065	-4.732	-4.399	-4.065	-3.732	-3.399	-3.065	-2.732	-2.402	-2.072
50000	-5.071	-4.738	-4.404	-4.071	-3.738	-3.405	-3.071	-2.738	-2.405	-2.078
55000	-5.085	-4.751	-4.418	-4.085	-3.752	-3.418	-3.085	-2.752	-2.418	-2.089
•00009	-5.097	-4.764	-4.431	260.4-	-3.764	-3,431	-3.098	-2,765	-2.431	-2.098
65000	-5.109	-4.776	-4.445	-4.109	-3.776	-3.442	-3.109	-2.776	-2.443	-2.109
10000	-5.120	-4.786	-4.453	-4.120	-3.786	-3.453	-3.120	-2.787	-2,454	-2.120
75000	-5.129	-4.756	-4.463	-4.130	-3.796	-3.463	-3,130	-2.797	-2.464	-2,132
80000	-5.139	-4.805	-4.472	-4.139	-3.806	-3.472	-3.139	-2.806	-2.473	-2.140
85000•	-5.147	-4.814	-4.481	-4.148	-3.814	-3,481	-3.148	-2.815	-2.481	-2.149
•00006	-5.156	-4.822	-4.489	-4.156	-3.823	-3.489	-3.156	-2.823	-2.490	-2,157
95000•	-5.164	-4.830	264.4-	-4.164	-3.830	-3.497	-3.164	-2.831	-2.497	-2,165
100000	-5.171	-4.838	-4.504	-4.171	-3.838	-3.505	-3.171	-2.838	-2.505	-2.172
125000.	-5.203	-4.870	-4.537	-4.203	-3.870	-3.537	-3.203	-2.870	-2.537	-2.204
150000.	-5.230	-4.856	-4.563	-4.230	-3.896	-3.563	-3.230	-2.896	-2.563	-2.230

ATOMIC SPECIES : CA 8

7. 000	-2.106	-2.102	-2.100	-2.100	-2.101	-2,103	-2.101	-2.107	-2.112	-2,117	-2.122	-2.130	-2,139	-2.147	-2, 155	-2.162	-2,169	-2.176	-2,182	-2.188	-2,194	-2.205	-2.214	-2, 225	-2,236	-2.246	-2,255	-2.264	-2.273	-2.280	-2,288	-2.320	-2.346	
0 0 9	-2.404	-2.403	-2.410	-2.417	-2.423	-2.429	-2.433	-2.439	-2.444	-2.449	-2.454	-2.463	-2.472	-2.480	-2.488	-2.495	-2.502	-2.508	-2.514	-2.518	-2.521	-2.534	-2.547	-2.559	-2.569	-2.579	-2+589		-2.60	-2.613	-2.62	-2.653	-2.679	
S. 500	-2.730	-2.737	-2.742	-2.749	-2,755	-2.761	-2.767	-2.772	-2.777	-2.782	-2.787	-2.797	-2.805	-2,813	-2.821	-2.827	-2.831	-2.836	-2.842	-2.848	-2.854	-2.868	-2.880	-2.892	-2,903	-2.913	-2.922	-2.931	-2.939	-2.947	-2.954	œ	-3.012	
4	-3.062	-3.069	-3.076	-3.082	-3.088	-3.094	-3.100	-3.105	-3.111	-3.116	-3.121	-3.130	-3.138	-3.145	-3.148	-3.155	-3.162	-3.169	-3.175	-3.181	-3.187	-3.201	-3.214	-3.225	-3.236	-3.246	-3.255	-3.264	-3.272	-3.280	-3.287	-3.319	-3.346	
3.000	-3,395	-3.402	-3.409	-3.416	-3.422	-3.428	-3.433	-3.439	-3.444	-3.449	-3.454	-3,461	-3.465	-3.473	-3,481	-3.488	-3.495	-3,502	-3,508	-3,515	-3.521	-3,534	-3.547	-3,558	-3,569	-3.579	-3,588	-3,597	-3.605	-3.613	-3.620	-3.653	-3,679	
2 000	-3.729	-3.736	-3.742	-3.749	-3.755	-3.761	-3.766	-3.772	-3.777	-3.780	-3.782	-3.789	-3,798	-3,806	-3.814	-3.822	-3.829	-3,835	-3.842	-3.848	-3.854	-3.868	-3.880	-3.892	-3.902	-3.912	-3.922	-3,930	-3.939	-3.946	-3,954	-3.986	-4.012	
1.000	-4_062	-4 069	-4-076	-4=082	-4=088	460	-4 099	-4 102	-4 103	-4 109	-4=1:13	-4=123	-4-131	-4 140	-4 147	-4 155	-4 162	-4-169	-4=175	-4-181	-4-187	-4 201	-4 213	-4 225	-4 236	-4=246	-4=255	-4=264	-4 272	-4 280	-4 28.7	-4 319	-4 346	
0000	-4.395	-4.402	-4.409	-4.415	-4.420	-4.423	-4.426	-4.431	-4.437	-4.442	74.447	-4.456	-4.465	-4.473	-4.481	-4.488	-4.495	-4.502	-4.508	-4.515	-4.520	-4.534	-4.547	-4.558	-4.569	625.4-	-4.588	765.4-	-4.605	-4.613	-4.620	-4.653	-4.679	
0000	-4.729	-4.735	-4.741	-4.745	-4.748	-4.754	-4.759	-4.765	-4.770	-4.775	-4.780	-4.789	-4.798	-4.806	-4.814	-4.822	-4.829	-4.835	-4.842	-4.848	-4.854	-4.867	-4.880	-4.852	-4.902	-4.912	-4.921	-4.930	-4.938	-4.946	-4.954	-4.986	-5.012	
a 000 • N -	-5.062	0	-5.069		റ	-5.087	-5.093	-5.098	-5.103	-	-		-	-5.140	7	-5.155	-	_		-		N	-5.213	-5.225	-5.235	-5.245	-5.255	-5,263	-5.272	-5.280	-5.287	-5.319	-5,346	
T 05G <td>0000</td> <td>00016</td> <td>00000</td> <td>00000</td> <td>00040</td> <td>00000</td> <td>0000</td> <td>00020</td> <td>28000</td> <td>00000</td> <td>■ 0000 E</td> <td>32000</td> <td>■ 000 de m</td> <td>36000</td> <td>00085</td> <td>00004</td> <td>42000</td> <td>■00044</td> <td>46000</td> <td>00084</td> <td>00000</td> <td>2000</td> <td>0000</td> <td>00000</td> <td>00002</td> <td>75000</td> <td>00008</td> <td>00008</td> <td>00000</td> <td>0000</td> <td>000001</td> <td>125000</td> <td>150000</td> <td></td>	0000	00016	00000	00000	00040	00000	0000	00020	28000	00000	■ 0000 E	32000	■ 000 de m	36000	00085	00004	42000	■000 4 4	46000	00084	00000	2000	0000	00000	00002	75000	00008	00008	00000	0000	000001	125000	150000	

ATOMLC SPECIES : CA 9

T DSto K/10to PS	-2.000	00 04-	0000-0-	1.000	2.000	3.000	4 •000	5.000	000.9	7.000
24000	-5.183	0008	-4.523	-4.191	-3.857	-3.524	-3.191	-2.857	-2.526	-2, 204
25000	-5,189	14 856	-4.525	-4.196	-3.863	-3.530	-3.197	-2,863	-2.531	-2, 206
26000	-5.195	14862	-4.528	-4.201	-3.869	-3,536	-3.202	-2.869	-2.536	-2 203
27000	-5.200	14887	-4.534	-4.204	-3.874	-3.541	-3.208	-2.874	-2.541	-21209
28000	-5.206	14872	-4.539	-4.206	-3.879	-3.546	-3,213	-2.880	-2.546	-21215
29000	-5.211	14 877	-4.544	-4.211	-3.883	-3.551	-3.218	-2.885	-2.551	-2, 220
00000	-5.216	14 882	-4.549	-4.216	-3.884	-3.556	-3.223	-2.890	-2.556	-2, 224
32000	-5.225	258 a	-4.558	-4.225	-3.892	-3.554	-3.232	-2,899	-2.566	-2.232
3400 A	-5.234	006	-4.567	-4.234	-3.900	-3,567	-3.240	-2.908	-2.574	2=241
36000	-5+242	606 V	-4.575	-4.242	-3.909	-3.575	-3.247	-2.916	-2.583	-21249
3800	-5.250	916 a	-4.583	-4.250	-3.917	-3.583	-3.250	-2.923	-2.590	-2,257
00004	-5.257	526 5 1	-4.591	-4.257	-3.924	-3,591	-3.257	-2,929	-2.598	-2,265
4200	-5.264	166 41	-4.598	-4.264	-3.931	-3.598	-3.264	-2,933	-2,605	-2,272
00044	-5.271	986	-4.604	-4.271	-3.938	-3.604	-3,271	-2.938	-2.611	-2.278
4600	-5.277	7 7 8 1	-4.611	-4.277	-3.944	-3.611	-3.278	-2.944	-2.616	-2.285
4800	-5.283	14 950	-4.617	-4.284	-3.950	-3.617	-3.284	-2.950	-2.620	21291
2000	-5.289	14 956	-4.623	-4.289	-3.956	-3.623	-3.290	-2,956	-2.623	P 296
55000	-5,303	14=970	-4.636	-4.303	-3.970	-3.637	-3,303	-2.970	-2.637	-2,308
00009	-5.316	14 982	649.4-	-4.316	-3.982	-3.649	-3,316	-2.983	-2.649	-2,316
65000	-5,327	\$56 a	-4.661	-4.327	-3.994	-3.661	-3 • 327	-2.994	-2.661	2-328
2000	-5.338	\$00 Si	-4.671	-4.338	-4.005	-3.671	-3.338	-3.005	-2.672	-2-338
75000	-5.348	\$10 1	-4.681	-4.348	-4.015	-3.691	-3.348	-3.015	-2.682	-21348
80000	-5.357	15.024	-4.690	-4.357	-4.024	-3.691	-3,357	-3.024	-2.691	2.358
85000	-5.366	E E O ■ a, 1	669.4-	-4.366	-4.033	-3.699	-3,366	-3.033	-2.700	-2.366
00006	-5.374	150051	-4.707	-4.374	-4.041	-3.708	-3.374	-3.041	-2.708	-2,375
95000	-5.382	640 31	-4.715	-4.382	-4.049	-3.715	-3.382	-3.049	-2.716	-2.382
1 000 00	-5.389	990	-4.723	-4.389	-4.056	-3,723	-3.390	-3.056	-2.723	-2.390
1 250 00	-5.422		-4.755	-4.422	-4.088	-3.755	-3.422	-3.088	-2.755	-2.422
1.500.02	-5.448	911 91	-4.781	-4.448	-4.115	-3.781	-3.448	-3.115	-2.782	2.448

ATOMIC SPECIES : C	01 <i>4</i> U					٠				
T DSG K/LOG WE	0 0 0 N	-1.000	000.0-	1.000	2.000	3.000	4 • 000	5_000	000.9	7.000
9000	-5.302	-4.969	-4.636	-4.302	-3.974	-3.643	31	976 21	•64	-2,311
00000	٠	0	-4.640	-4.307	-3.976	•64	-3.314	186 21	• 64	-2,316
32000	LO.	-4.983	-4.650	-4.317	-3.983	10	-3,324	12=990	2.65	-2,324
34000	-5.325	-4.992	-4.659	-4.325	-3.992	-3.659	•	666=21	• 66	2,33
36000	-5,333	-5.000	-4.667	-4.334	-4.000	-3.667	-3,338	100 E 1	.67	-2,341
38000	-5.341	-5.008	-4.675	-4.341	-4.008	-3.675	-3.341	13 015	-2.682	-2,349
40000	-5.349	-5.015	-4.682	-4.349	-4.015	-3.632	-3.349	13051	68	-2,356
4 20 00	-5.356	-5.022	-4.689	-4.356	-4.022	-3.689	-3,356	3 3 052	2.69	-2,363
00044	-5.362	-5.029	-4.696	-4.362	-4.029	-3.696	-3,363	620=61	•70	-2,370
46000	-5.369	-5.035	-4.702	-4.369	-4.036	-3.702	-3,369	98081	-2.708	-2,376
4 8000	-5,375	-5.042	-4.708	-4.375	-4.045	-3.708	-3,375	240 81	-2.711	-2,382
50000	-5.381	-5.047	4.7.4	-4.381	-4.048	-3.714	-3,381	8 4 0 8 1	-2.715	-2,388
55000	-5.395	-5.061	-4.728	-4.395	-4.061	-3.728	-3,395	290E1	-2.728	-2,399
00009	-5.407	-5.074	-4.740	-4.407	-4.074	-3.741	-3.407	\$20mg1	-2.741	-2408
65000	-5.419	-5.085	-4.752	-4.419	-4.085	-3,752	-3.419	980 1	-2.752	-2419
10000	-5.429	-5.096	-4.763	-4.429	-4.096	-3.763	-3.430	960 E1	-2.763	-2430
75000	-5.439	-5.106	-4.773	-4.439	-4.106	-3.773	-3.440	901 21	-2.773	-2,440
80000	-5.449	-5.115	-4.782	-4.449	-4.115	-3.782	-3.449	3,116	-2.782	-2,449
85000	-5.457	-5.124	-4.791	-4.457	-4.124	-3.791	-3.458	13=124	-2.791	-2,458
00006	-5.466	-5.132	662.4-	-4.456	-4.132	-3.799	-3,466	EE [E 1	-2.799	-2,466
00056	-5.473	-5.140	-4.807	-4.473	-4.140	-3.807	-3.474	041 81	.80	-2.474
000	-5.481	-5.147	-4.8I4	-4.481	-4.148	-3.814	-3.481	841 61	.81	-2,481
200	-5.513	5.1	-4.846	-4.513	-4.180	-3.847	-3.513	081 81	-2.847	-2,514
150000	-5.539	5.2	-4.873	-4.539	-4.206	-3.873	-3.540	902 £1	-2.873	-2,540
PTGMI< SPECIES C	C411									
T DEG K/LOG PE	2 000	-1.000	-0.000	1.000	2.000	3.000	4.000	2.000	9009	7 000
	ı									
46000	-5.452	-5.118	-4.785	-4.452	-4.118	13.785	-3.452	.11	-2 790	-2,459
48000	-5.458	-5.124	-4.791	-4.458	-4.125	162.51	-3.458	-3.125	-2 794	-2 465
20000	-5.464	-6.130	-4.797	-4.464	-4.130	13,797	-3.464	-3.131	-2 797	-2 471
55000	-5.477	-5.144	-4.811	-4.477	-4.144	13.811	-3.478	-3-144	-2,811	-2 482
00009	-5.490	-5.157	-4.823	-4.490	-4.157	13.823	-3.490	-3.157	-2.824	-2 490
000099	-5.501	-5.168	-4.835	-4.501	-4.168	SE8.E1	-3.502	-3.168	-2 835	-2 502
20000	-5.512	-5.179	-4.845	-4.512	-4.179	13.846	-3.512	-3.179	-2.846	-2.513
00002	-5.522	-5.189	-4.855	-4.522	-4.189	038.61	-3.522	-3.189	-2 856	-2 523
80000	-5.531	-5.198	-4.865	-4.531	-4.198	598 E1	-3.532	-3.198	-2 865	2 532
85000	-5.540	47	-4.874	-4.540	-4.207	13.874	13.540	-3.207	-2.874	12 541
00006	u,	u)	-4.882	-4.548	-4.215	288.51	-3.549	13.215	200	240
00056	-5.556	2.5	-4.890	-4.556	-4.223	068 • 61	13.555	-3.223	268	200 7
100000	LO .	5.23	-4.897	-4.564	-4.230	268°E1	9	N .	N.	0 N
0	(C)	5.26	-4.929	-4.596	-4.263	N	•	3.50	2 (0 0 0
150000	-5.622	-5.289	-4.956	-4.622	-4.289	-3.956	-3.622	80	2	-2 623
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MOMIC Species : <A12

	!									
T DSG ~/Log ms	13.000	000	0 0 0 0	3 • 000	2.000	000 E	0000	000 s	0000	7.000 7.000
• 000E9	-5.577	-6.244	-4.910	-4.577	14.244	13,911	-3_577	-3 244	-2.911	-2,577
10000	-5.588	-5.254	-4.921	14.588	-4.254	126 21		-3 255	-2.921	-2.588
75000	-5.598	-5.264	-4.931	14.598	-4.264	186 81	-3 598	-3 255	-2.931	-2,598
80000	-5.607	-5.274	-4.940	14.607	-4.274	13 940	-3 607	-3 274	-2.941	-2.607
85000 •	-5.616	-5.282	-4.949	-4.616	-4.282	646 E1	-3 616	-3 283	-2.949	-2.616
• 00006	-5.624	-6.291	-4.957	14.624	14.291	13 957	-3 624	-3 291	-2.958	-2.624
•000gm	-5.632	-5.298	-4.965	-4.632	-4.299	596 21	-3 632	-3 299	-2.965	-2.632
100000 a	-5.639	-5.306	-4.972	629-41	-4.306	£19 513	-3 639		-2.973	-2.640
125000.	-5.671	-5.338	-5.005	14.671	14.338	-4 005	-3 672		-3.005	-2.672
150000•	-5.698	15,364	-5.031	-4.698	-4.365	14 031	-3 698	-3 365	-3.031	-2.698
ATOMIC SPECIES : (CA13									
907/× 9≥0 1	2 000	1 • 000	000.0	1 000	2.000	3 <u>000</u>	00?	5.000	0 0 e 9	7. 000
85000	-5.685	5.352	-5.019	-4.685	-4.352	-4.019	-3_685	-a_352	-H_019	-Z 68
00006	-5.693	-5,360	-5.027	-4.694	-4.360	-4.027	₩-	1 350	-B 027	-7 69
000000	-5.701	-5.368	-5.035	-4.701	-4.368	-4.035		m 368	-E 035	-7 702
	-5.709	-5.375	-5.042	-4.709	-4.375	-4.042	602 m	976 m	-E 042	-
125000	-5.741	-5.408	-5.074	-4.741	-4.408	-4.074		m m	-B 074	72
150000	-5.767	-5.434	-5.101	-4.767	-4.434	-4.101	-3 767	-W 434	101 E-	-z 768
ATOMIC SPECIES . C	CA 4									
T DEG	N	1.000	000 00	1 • 000	2.000	000 E	4.000	000 0 h	9	000 • 1
125000	-5.805	-5.472	о в 1 9	-4.805	-4.472	-4.13E	-3 805	-3.472	-3,139	-2,806
150000	-5.832	-6.498	м 9	-4.832	4.498	n)	-3 832	-3.498	-3.165	-2,832
ATOMIC SPECIES : (CA15									
T DEG	0 0 0 N	1.000	000	1.000	2.000	000 • m	4.000	5.000	0000.9	7.000
125000.	-5.865	-5.532	-5.199	-4.865	-4.532	-4.199	-3.865	-3.532	-3.199	-2,866
150000	-5.892	-5.558	-5.225	-4.892	-4.558	-4.225	-3.892	-3.558	-3.225	-2.892

-0.888 -0.402 -0.402 -0.402 -0.402 -0.402 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.754 -0.888 -0.888 -0.888 -0.402 7.000 -0.402 -0.402 **** -11 0004 -11 0004 -11 004 0.888 10.888 10.888 -0.888 -0.888 11 000 t -1.004 -1.004 -1.004 -1.004 000 -0.888 -1.004 -1.004 -1.004 -0.888 -0.888 -0.888 -0.888 -1.004 -1.004 -1.004 -1.004 -1.004 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.198 -1.140 -1.198 5.000 **** -1.198 -1.198 -1.198 -1,198 -1.198 -1:198 -1.198 -1.198 -1.198 -1.004 -1.369 -1.375 -1.381 -1.252 -1.270 -1.282 -1.288 -1.294 -1.299 -1.430 -1.474 -1.217 -1.224 -1.232 -1.240 -1,338 ****** -1.198 -1.198 -1.169 -1.314 -1.263 -1,356 -1.363 -1.395 -1.419 00? -1.155 -1.193 -1.204 -1.332 -1,349 -1.407 -1.440 -1.458 -1.538 -1.547 -1.559 -1.556 -1.627 -1.633 -1.638 -1.555 -1.659 -1.667 -1.675 -1.456 -1.473 -1.489 -1.616 -1.682 -1.741 -1.763 -1.409 -1.533 -1.732 -1.782 -1.807 000 -1.728 -1.596 -1.603 -1.609 -1.643 -1.647 -1.696 -1.773 -1.529 -1.574 -1.582 -1,589 -1.714 -1.799 M -2.036 -2.042 -2.074 -2.085 -2.096 -1.82Z -1.849 -1.860 -1.960 -1.966 -1.970 -1.974 -1.983 -1.992 -2.000 -2.115 -2.132 -2.140 -2.148 -1.881 -1.930 -1.936 -2.015 2 000 20? -1.915 -1.949 -1.976 -2.106 -1.899 -1.922 -1.94**3** -1.955 -2.008 -2.048 -2.061 -1.87Z -1.907 -2.395 -2.293 -2.407 -2.081 -2.151 -2.157 -2.170 -2.182 -2.214 -2.256 -2.317 8 -2.055 -2,123 -2,195 -2.204 -2.248 -2.270 -2.276 -2.288 -2.297 -2.302 -2.307 -2,334 -2,349 -2,356 -2,362 -2,369 -2,375 -2.419 -2.429 -2.439 -2.449 -2,457 -2.473 -2.232 -2.282 -2.341 -2,381 -2.241 -2.469 -2.538 -2.548 -2.557 -2.582 -2.589 -2.596 -2.614 -2.617 -2.620 -2.650 -2.650 -2.659 -2.675 -2.702 -2.708 -2.714 -2.728 -2.740 -2.791 -2.807 -2.814 -2.517 -2.631 -2.308 -2.415 -2.574 2.689 -2.696 00?01 -2.603 -2.609 -2.582 -2.763 -2.773 -2.782 2.503 -2.667 -2.527 -2.915 -2.922 -2.929 -2.964 -2.964 -2.969 -3.11,5 -3.124 -3.132 -2.712 -2.860 -2.871 -2.881 -2.890 -2.899 -2.935 -2.938 -2.942 12.983 -3.000 -3.035 -3.074 -1.000 -2,953 -2.974 -3.015 -3.029 -3.096 -3.106 -3.022 -3.047 190.5--3.193 -3.204 -3.214 -3.223 -3.232 -3.248 -3.255 -3.261 -3.262 -3,349 -3,369 -3,381 -3.407 -3.449 -3.429 12.000 -3.362 3.439 T. ä. •• ATOMIC SPECIES DSG </100 **)**

7.000	*****	****	****	****	****	****	****	*****	-1.004	00	•	-1-004		8	0	-1.106	-1.106	• 10	-1.106	-1.106	-1.106	-1-106	-1.100	-1.100	100	-1-106	-1.106	-1.106	-1.106	-1.106	-1.106	-1.106	-1.106	901		-1.198	-1.198	0	-1.198	• 19	-1.198	7.	-1.198		-1.198	
000*9		****		*	*		-1.198	0	61.	•19	• 19	1.198		-1.176	-1.184	-1.191	-1.204	.20	-1.213	2	55	-1.233	2 c	•	1 1 0 1 1	1.250		-1.277	-1.284	-1.292	-1.299	-1.306	-1.313	71.52	-1.330	_	_	-1,365	-1.375	• 38	-1.393	1.40	0	7	-1.449	
5.000	*	***		****	-1.320	-1.404	-1.424	43	-1.451	-1.461	-1.472	-1.483	104	-1.512	-1.518	-1.525	-1.532	-1.542		-1.552	-1.558	-1.563	200-1-	-, ,	11.07	500	-1.501	-1.610		-1.625	-1.627	-	~ .	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1.664	-1.676	-	-1.598	.70	. 7	.72	• 73		-1.750	• 78	
4 • 000	*	***		-1-687		-1.742	-1.757	-1.771	-1.784	-1.796	-1.806	-1,819	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-1.842	-1.854	-1.860	-1.866	-1.872	-1.878	-1.884	-1.890	-1.896	-1.901	-1.907	216-1-	11.911	450.11	-1.940	-1.944	-1.951	-1.958	-1.965	-1.971	16.11	-1.997	-2.009	-2.021	0	2.0	٠	0	20	2.07	-2.083	1.	
3.000	****	*****		1000	0	2.07	2.0	2.1	2.1	2.1	2	10.149		-2.177	2.1	2.1	-2.198	CA .	W.	w	CA.	-2.229	V (1 17	, ,	10.057	1 5	, 0	-2.277	-2.284	-2.291	-2.298	o	72.510	n u	2.3	2.3	ω,	L.		• 39	-2.401	64.		• 44	
2.000	*	-2.214	a c	12,370	ı o	Q	-2.424	N	Ç,	-2.462	ÇN ∶	12.486	4 (-2.509	Q.	N		ď.	•	•	Ñ	N (ล้ (ด์ (v ('n	•	•	Q.	å (•	, 0	N	N	•		•	•		.74	-2.750	•78	
1.000	*	-2.623	200	12.706	-2,725	-2.753	-2.759	-2.772	-2.784	-2.795	Ň	-2.817	i	-2.843	8	N	-2.865	å	-2.878	-2.884	-2.890	-2.895	-2.898	-2.899	N (12.30 0.00 0.00	100.0-	950.61	-2.943	•	-2,958	•		ů	• •	10	.02	-3.031	0	0	0	٠	3.0	, P)	-3,115	
000		-2.958	J - L	710.5-	9 (9) (7)	m	m	10	₩.	-3.130	ω. 	₹.	•	-3.176	-3-184	-3.191	-3.198	-3.205	-3,211	-3.216	r)	ו כיו	-3.227	ו נייו	9 (1.0 × 4.4 ×	יו, ני	2000	א ני	•	ď	•	m I		010.01	1 377	ونزا	-3.365	E .	-3.384	'n			-3.416	-3.448	
-1.000	-3.268	10 1	7 1	10.000	3 147	תיו נ	-3.424	רח י	-3.452	-3.462	-3.473	W 00 4	7	10000	719.51	-3.524	-3.531	-3.537	-3.540	-3.544	-3.550	13.55	-3.561	-3.566	-3,571	13.576	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 m	3.610	-3.617	-3.624	-3.631	-3.638	4.644	D. 0.0.1	20012	-3.687	-3.698	-3.708	-3.717	-3.726	-3.734	-3,742	-3.750	78	
-2.000	-3+603	-3.638	0	13.684	0 P	3.74	3.75	-3.772	3.78	-3.796	-3.806	3.81	N :	13.834		3.85	-3.863	-3.864	3.87	3.87	-3.883	3.88	3.89	-3.899	-3.904	3.909	10.40	10.00	0000 E	-3,951	-3.958	-3.964	26.	3.97	-3,983	000.4-	-4.021	-4.031	40	-4.051	-4.059	-4.068	-4.075	0	-4.115	
T DEG LOG PE</th <th>3000</th> <th>4000</th> <th>• 0008</th> <th>• 0009</th> <th>• 0000</th> <th>0000</th> <th>00001</th> <th>11000</th> <th>12000</th> <th>13000</th> <th>14000</th> <th>1500₀ •</th> <th>16000</th> <th>17000.</th> <th>00001</th> <th>00000</th> <th>21000</th> <th>22000</th> <th>23000</th> <th>24000</th> <th>25000</th> <th>26000</th> <th>27000</th> <th>2800%</th> <th>.00062</th> <th>* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</th> <th>3200</th> <th>• O 0 0 %</th> <th>* 0000 M</th> <th>00004</th> <th>42000</th> <th>44000</th> <th>46000°</th> <th>48000</th> <th>50000</th> <th></th> <th>65000</th> <th>20002</th> <th>75000</th> <th>80000°</th> <th>8500°</th> <th>•00006</th> <th>9500⁰</th> <th>100001</th> <th>125000.</th> <th>o</th>	3000	4000	• 0008	• 0009	• 0000	0000	00001	11000	12000	13000	14000	1500 ₀ •	16000	17000.	00001	00000	21000	22000	23000	24000	25000	26000	27000	2800%	.00062	* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3200	• O 0 0 %	* 0000 M	00004	42000	44000	46000°	48000	50000		65000	20002	75000	80000°	8500°	•00006	9500 ⁰	100001	125000.	o

ATGMIC SPECIS:

T DEG K/LOG PE	-2.000	-1.000	000	1,000	000 •	0 0 0 0	4 • 000	5.000	0000	7.000
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0004	Ç, S	999961	? !	12 y y y	4000	***	***	* * * * * * *	* * * * * * *	***
	•	10.07	0000	000	001.5	000.5				
0000	-4.036	-3.702	13.410	-3.073	-2.7B1	-2.387	***	***	***	****
0000	100.4-	アサン・ワー	0 1	000	0 4 4 6 6	y c	2006	1 4 6 6 1	***	****
0008	•	100/40	000	10 E 0	10.44	,	-2-004	1.703	***	*****
0000	14.094	101.6	1 4 4 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3-113 -3-111	-2.776	12.440	-2.110	-1.776	-1.453	****
		-3.790	ויו (-3 124	-2 793	-2.457	-2.123	-1.790	-1.452	***
200	-4 - 136	-3.804	-3.469	-3-136	-2 803	-2.476	-2,136	•	11.469	-1.106
13000	-4.148	-3,815	-3.482	-3=147	-2 814	-2.493	-2.148	-1.814	-1.480	-1.198
1,4000	7	-3.825	13.492	-3=160	-2 824	-2.492	-2.158	-1.825	-1,491	-1.198
	-4.168	-3.835	-3.502		-2 839	-2.501	-2.171	-1.835	-1.502	-1.198
16000	-4.178	13.844	I Soli	-3-178	948*2-	-2.511	-2.179	-1.844	11611	-1.198
1 7000	-4.186	-3,853	-3 +520	-3" 187	-2.854	-2.523	-2.186	-1.859	-1.519	-1.186
18000	-4.195	-3,861	-3.528	-3 195	-2.862	-2.529	-2,195	-1.864	-1.528	-1.194
1 9000 €	-4.203	-3.869	-3. 536	-3 203	-2.869	-2.537	-2.206	-1.870	-1.536	-1.203
0	-4.210	-3.877	13.543 543	-3 210	-2.877	12.544	-2.212	-1.877	1.543	1.010
21000	-4.218	13.884	0999	-3 217	-2.884	100.7-	-2.210	000	000	11201
22000	-4.217	-3.851	-3.557	-3 224	-2.891	-2.557	12.224	-1.894	-1.560	-1.224
23000	-4.223	668.51	-3.564	-3 230	-2 897	-2.564	-2.231	-1.899	-1.565	-1.230
24000	-4.229	13.903	-3.570	-3 236	-2.903	-2.570	-2.237	-1.905	-1.571	-1.236
0	ď	-3.902	13.578	-3 242	2.909	-2.576	-2.242	-1.910	1.578	747.
26000	ď	100.00	rn) ∣	-3 248	E E E	-2.581	-Z • Z • Z	316.1-	1.585	1.248
27000	Ŋ.	-3.913	1	-3 255	-2.920	-2.587	-2.254	-1.921	-1.590	-1.258
28000	Ç	-3.918	13.585	-3 261	-2.926	-2.592	-2.259	-1.926	1 594	1.262
29000	-4.256	-3,923	08.0° E	-3 262	-2.931	-2.597	-2.264	-1.931	7 P	-1.207
30000	-4.261	-3.928	3.595	-3 265	-2.938	-2.602	-2.269	-1.936	-1 603	-1.273
32000	-4.271	-3,937	-3.604	-3 271	-2.943	-2.612	-2.278	-1.945	1 612	-1.278
34000	-4.279	-3.946	-3.613	-3 280	-2.948	-2.623	-2.287	-1.954	-1.621	-1.290
36000	-4.288	-3.954	13.621	-3 288	-2,954	-2.627	-2.296	-1.962	-1.629	-1.297
38000	-4.295	-3.962	-3.629	-3 296	-2.962	-2.631	-2,306	-1.970	-1.637	-1.304
40000	-4.303	-2.970	-3.636	-3 303	-2.970	-2.637	-2.309	-1.978	-1.644	-1.311
4 20 00	-4.310	-3.977	13.643	-3,310	-2.977	-2.643	-2.314	-1.986	1.651	# 1. J. S.
4 40 00	-4.317	-3,983	3.650	-3,317	-2.983	-2.650	-2.319	-1.993	800.1-	-1.325
4 6000	W.	066*8-	13.656 I	-3=323	-2.990	-2.657	-2.324	-1.996	-1.665	-1.331
4 80 00	J.	9.66	-3.663	-3=329	-2.996	-2.653	055.00	2000	11.0072	110001
00000	ωı	-4.002	8999 F	38 8 3 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13.002	10.00 A	12.33	12.004	F 8 9 1 1	11. 440
2	3 .	0 0 0 0	1000	h • • • • • • • • • • • • • • • • • • •		1 2 2 4	0 40	0000	-1-697	-1.371
	9 1	0 0 0 0	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 00	0.50.51	12.706	-21373	040	-1.708	-1-379
00000	• 1		N N N	0 0 0 0	 	717.6-	12.384	10.01	-1.718	-1.387
0000	14.304	14.060	100 E	400 - 61		707.6-	400	10001	-1.727	-1.396
00000) 4	0000	ויו ו	- M = 403	13.070	-2.736	-2.403	-2.070	-1.737	-1.404
	. 1	4.078	-3-745	-3 til	-a 078	-2.745	-2.412	-2,079	-1.745	-1.413
	• 4	. 4	13.57	2	-u 087	2.75	2.42	-2.087	-1.754	-1.420
8	4		-3-261	100	00 m	2.76	N	્ય	-1.761	-1.428
000001	-4.435	-4-102	-3.768	3 4	102	2,76	2.43	IQ	-1.769	-1.436
	4	. 4	13.801	-3 467	1 m	2.80	2.46	2,13	-1.801	-1.468
200	4	-	-3 -B27	9	m m	-2,827	2.49	2.16	82	-1. 494
3	t) 4 1	; ; ;	h) 	1	!)))	i !	ı I

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T DEG A/POG PS	-2 -000	1.000	000.0	000	2 000	m•000	4	5.000	0 0 0 9	7 a 000
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2000	-4.300	-3.957	-3.609	-3 286	N	v	****	***	* * * * * * * * * * * * * * * * * * * *	
0009	-4.340	-3.995	-3.660	-3 323	2.98	N	***	***	***	* * * * * *
2000	-4.308	666.8-	-3.692	-3 350	-3.015	2.67	-2,332	***		*
8000	'n	-3.994	-3.673	-3 = 385	m :	2.70	12.362	-1.911	***	***
0006	-4.344	-4.011	-3.678	-3=355	3.00	. I	12.382	12.043	+ C + + + + + + + + + + + + + + + + + +	* * * * * * *
10000	μ, i	-4.027	13.693	13 = 360	9000	12.750	14.00	10.02	201011	
11000	ι,	14.040	-3.707	-3 374	040.5	627.57	274.0	vια	00/-1-	*****
12000	-4.386	-4.054	-3.719	-3 386	-3.053	-2.719	-2.426		10,11	107.1
13000	-4.398	-4.064	-3.732	-3 397	-3.064	-2.731	-2.414	-2.115	-1.761	-1.407
14000	-4.408	-4.075	-3.742	-3 410	-3.074	-2.742	-2.408	-2.114	-1.777	-1.426
15000	-4.418	-4.085	-3.752	-3 419	-3.088	-2,751	-2.418	-2.106	-1.796	-1.441
	-4.428	-4.094	-3.761	-3 428	-3.096	-2.761	-2.429	-2.105	-1.812	-1.455
17000	-4.436	-4.103	-3.770	-3 436	-3.104	-2.773	-2.436	-2.103	-1.804	-1.469
18000	-4.445	-4.1.1.	-3.778	-3 445	-3.112	-2.779	-2.444	-2.114	-1.799	-1.485
19000	-4.452	-4.119	-3.786	-3 453	-3.119	-2.786	-2.456	-2.120	-1.799	-1.501
20000	-4.460	-4.127	-3.793	-3 460	-3.127	-2.794	-2.462	-2.127	-1.793	-1.504
21000	-4.468	-4.134	-3.800	-3=467	-3.134	-2.800	-2.468	-2,135	-1.806	-1.500
22000	-4.475	-4.141	-3.807	-3 474	-3.140	-2.807	-2.474	-2.144	-1.810	-1.498
23000	-4.477	-4.149	-3.814	-3 480	-3.147	-2.814	-2.480	-2.149	-1.815	-1.480
24000	-4.480	-4.153	-3.820	-3 486	-3.153	-2.820	-2.487	-2,154	-1.821	-1.486
25000	-4.485	-4.155	-3,828	-3 492	-3.159	-2.826	-2.492	-2.160	-1.828	-1.492
	-4.491	-4.159	-3.832	-3 498	-3.165	-2.831	-2.498	-2.165	-1.835	-1.498
27000	-4.496	-4.163	-3.834	-3 505	-3.170	-2.837	-2.503	-2.170	-1.840	-1.508
28000	-4.501	-4.168	-3.837	-3 511	-3,175	-2.842	-2.509	-2.176	-1.844	-1.512
	-4.506	-4-173	-3.841	-3 512	-3.181	-2.847	-2.514	-2.181	-1.849	-1.517
30000	-4.511	-4.178	-3.845	-3_515	-3.188	-2.852	-2.519	-2.185	-1.853	-1.523
32000	-4.521	-4.187	-3.854	-3 522	-3.193	-2.862	-2.528	-2.195	-1.862	-1.528
34000	-4.529	-4.156	-3.863	-3=530	-3.198	-2.873	-2.537	-2.204	-1.871	-1.540
36000	-4.538	-4.204	-3.871	-3 -538	-3.205	-2.876	-2.546	-2.212	-1.879	-1.547
38000	-4.545	-4.212	-3.879	-3=546	-3,212	-2.88.1	-2.556	-2.220	-1.886	-1.554
40000	-4.553	-4.219	-3.886	-3 553	-3.220	-2.887	-2,559	-2.228	-1.894	-1.561
42000	-4.560	-4.227	-3.893	-3 560	-3.227	-2.894	-2.564	-2.236	-1.901	-1.568
44000	-4.566	-4.233	-3.900	-3 567	-3.233	-2.900	-2.569	-2.242	-1.908	-1.575
46000	-4.573	-4.240	-3.906	-3 573	-3.240	-2.937	-2.574	-2.246	-1.915	-1.581
48000	-4.579	-4.246	-3.912	-3 579	-3.246	-2.913	-2.580	-2.250	-1.922	-1.587
50000	-4.585	-4.252	-3.918	-3 585	-3.252	-2.919	-2.585	-2.254	-1,929	-1.593
55000	-4.599	-4.265	-3.932	-3 599	-3.266	-2.932	-2.599	-2.266	-1.937	-1.605
- 00 009	-4.611	-4.278	-3.945	-3_611	-3.278	-2.945	-2.612	-2.279	-1.947	-1.621
65000	-4.623	-4.289	-3.956	-3_623	-3.290	-2.956	-2,623	-2.290	-1.957	-1.629
10000	-4.633	-4.300	-3.967	-3=633	-3.300	-2.967	-2.634	-2.301	-1.968	-1.637
75000	4	-4.310	-3.977	-3=643	-3,310	-2.977	-2.644	-2,311	-1.977	-1.646
80000	-4.653	-4.319	-3.986	-3=653	-3,319	-2.986	-2.653	-2.320	-1.987	-1.654
85000	-4,661	-4.328	366.5-	-3 662	-3.328	-2.995	-2.662	-2.328	-1.995	-1.663
	-4.670	-4.336	-4.003	-3 670	-3,336	-3.003	-2.670	-2.337	-2.004	-1.671
95000	-4.677	-4.344	-4.011		-3.344	-3.011	-2.678	34	0.	-1.678
1 000 00	-4.685	-4.352	-4.018	-3 685	•32	-3.018	•68	35	0	-1.686
125000	-4.717	-4.384	-4.051	-3 717	-3,384	-3.051	-2.717	-2,384	-2.051	-1.717
150000	-4.744	-4.410	-4.077			-3.077	-2.744	4	-2.077	-1.744

ATOMIC SPECIES : FE 6

I DEG KLOG PE	-2.000	-1.000	000	1.000	2.000	3.000	4 •000	2*000	6.000	7.000
11000.	-4.726	-4.394	-4.059	-3.726	-3,392	-3.081	-2.775	-2.429	-2.082	****
12000.	-4.738	.40	-4.073	.73	4	0	.77	4	-2.103	-1.614
13000.	-4.750	-4.416	-4.083	-3,751	-3.417	-3.083	-2.766	-2.467	-2.114	-1.760
14000.	-4.760	-4.427	-4.094	-3.761	-3.429	-3.094	-2.761	-2.467	-2.129	-1.779
15000.	-4.770	-4.437	-4.104	-3.771	-3.437	.10	-2.771		-2.148	-1.793
16000.	-4.780	-4.446	-4:113	-3.780	4	-	-2.780	• 45	-2.164	-1.807
17000.	-4.789	-4.455	-4.122	-3.789	-3.455	-3.122	-2.790	-2.455	-2.156	-1.822
18000•	-4.797	-4.463	-4.130	-3.797	9	m	-2.799	-2.464	-2.152	-1.837
19000•	-4.805	-4.471	-4.138	-3.805	.47	10	-2.805	-2.472	-2.151	-1.854
20000	-4.812	-4.479	-4.145	-3.812	-3.479	-3.145	81	4	-2.154	-1.856
21000.	-4.817	-4.486	-4.152		-3.486	10	-2.819	-2.487	-2.153	-1.852
22000.	-4.827	-4.492	-4.159	-3.826	-3.493	ıΩ	-2.826	4	-2.160	-1.850
23000.	-4.829	-4.501	-4.165	-3.832	-3.499	-3.166	83	-2.499	-2.167	-1.850
24000.	-4.833	-4.505	-4.170	-3.838	-3.505	-3.172	-2.839	-2.505	-2.174	-1.851
25000.	-4.838	-4.507	-4.180	-3.844	51	-3.178	-2.844	-2.511	-2.179	-1.854
26000.	-4.843	-4.511	-4.184	-3,849	-3.517	-3.183	85	-2.517	-2.183	-1.851
27000.	-4.848	-4.516	-4.186	-3.857	-3,522	90	-2.855	-2.522	-2.189	~1.857
28000.	-4.854	-4.520	-4.189	-3.863	-3.527	CD.		•	-2.194	
29000	-4.859	-4.525	-4.193	-3.865	-3.533	-3.199	-2.866	•	-2.199	-1.868
30000	-4.863	-4.530	-4.197	-3.867	-3.540	-3.204	-2.871	-2.537	-2.204	-1.872
32000.	-4.873	4.539	-4.206	-3.874	ທ	-3.214	-2.880	-2.547	-2.214	-1.880
34000.	-4.881	-4.548	-4.215	-3.882	-3.551	-3.225	-2.889	-2.555	-2.22	-1.889
36000	-4.890	-4.556	-4.223	-3.890	-3.557	.22	-2.898	-2,564	-2.230	-1.897
38000.	-4.898	-4.564	-4.231	-3.898	-3.565	-3.233	-2.908	-2,572	-2.238	-1.905
40000	-4.905	-4.572	-4.238	-3.905	-3.572	ď	91	-2,580	-2.246	-1.912
42000.	-4.912	-4.579	-4.245	-3.912	-3.579	-3.246	-2.916	-2.588	-2.253	-1.919
44000	-4.919	-4.585	-4.252	-3,919	-3.586	-3.252	-2.921	-2.595	-2.260	-1.926
46000.	-4.925	-4.592	-4.259	-3.925	-3.592	-3,259	-2.926	-2.598	-2.267	-1.932
48000.	-4.931	-4.598	-4.265	-3.931	-3,598	-3.265	-2.932	-2.602	-2.274	-1.939
50000	-4.937	-4.664	-4.27.1	-3.937	-3.604	-3.271	-2.938	-2.606	-2.281	-1.945
55000.	-4.951	-4.618	-4.284	-3,951	-3.618	-3.284	-2,951	-2.619	-2.289	-1.957
.00009	-4.963	-4.630	-4.297	-3.964	-3.630	-3.297	-2.964	-2.631	-2.299	-1.973
65000.	-4.975	-4.642	-4.308	-3.975	-3.642	-3.309	-2.975	-2.642	3	-1.981
20000	-4.986	-4.652	-4.319	-3.986	-3.653	-3,319	-2.986	-2,653	35	-1.989
75000.	-4.996	-4.662	-4.329	-3.996	-3.662	-3.329	-2:996	-2.663	-2,330	-1.998
80000	-5.005	-4.672	-4.338	-4.005	-3.672	-3.338	-3.005	-2.672	-2.339	-2.006
85000.	-5.014	-4.680	-4.347	-4.014	-3.680	-3.347	-3.014	• 68	-2.348	-2.015
•00006	-5.022	-4.689	-4.355	-4.022	-3.689	-3,355	-3.022	-2.689	-2.356	-2.023
95000	-5.030	-4.696	-4.363	-4.030	-3.696	-3,363	-3.030	-2.697	-2,364	-2.031
100000.	-5.037	-4.704	-4.370	-4.037	-3.704	37	-3.037	-2.704	-2.371	-2.038
125000.	-5.069	-4.736	-4.403	-4.069	-3.736	-3.403	-3.069		-2.403	-2.070
150000.	-5.096	-4.762	-4.459	-4.096	-3.762	\$	-3.096	-2.763	-2.429	-2.096

LOG OF THE DEPRESSION OF THE CONTINIUM

ATOMIC SPECIES : FE	7				•					
T 0EG <th>-2.000</th> <th>-1.000</th> <th>000*0-</th> <th>1.000</th> <th>2.000</th> <th>3.000</th> <th>4 • 000</th> <th>2.000</th> <th>000-9</th> <th>7.000</th>	-2.000	-1.000	000*0-	1.000	2.000	3.000	4 • 000	2.000	000-9	7.000
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15000	-4.904	-4.571	23	90	ŝ	3.2	-2.905	o i	20.0	
16: 00	-4.914	-4.580	-4.247	-3.914	58	3.04	-2.914	2,59	2.29	•
17,00	-4.922	-4.589	ď	92	3.58	m	-2.923	. 30 . 30 . 30 . 30 . 30 . 30 . 30 . 30	V . V	•
, (-4.931	-4.597	-4.264	9		'n.	-2.932	2.59	2.28	•
8	-4.938	-4.605	-4.272	93	•	m	-2.939	ω.	2.78	9
8	-4.946	-4.613	-4.279	46	m	•	-2.946	(4	2.28	•
21,000	-4.951	-4.619	ď	-3,953		ŭ	-2.953	w	2.28	96
22000	-4.953	-4.625	-4.293	-3.960	•	ñ	-2.960	-2.627	2.29	
23000	-4.959	-4.629	-4.299	-3.966	E,	'n	-5.966	CA.	2.30	•
24000	-4.965	-4.632	ů	-3.972	•	m	-2.972	r.	2.30	•
25000	-4.971	-4.638	•	-3.978	m	m	-2.978	"	2.31	8
26000	-4.977	-4.643	-4.310	-3,983	W.	W.	-2.984	· ·	2.31	•
00020	-4.982	649.4-		-3.986	'n	Ŋ	-2.989	C)	2 . 32	•
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00000	766.4-	-4.664	-4.331	-3.997	ñ	m	-3.005	(A	333	-2.006
	-5.007	-4-673	-4.340	-4.007	'n	n	-3.014	1.0	• 34	-2,014
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- CO / G *	-5.031	-4.658	-4.365	-4.032	-3.698	-3.355	-3.032	-2.705	-2,372	-2.039
S	-5.039	-4.706	-4.372	-4.039	m	'n	-3.039	"	2.37	å
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9	-5.059	-4.726	-4.392	-4.059	•	m	-3.059	₩.	2.39	å
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O	-5.071	-4.738	404.40	-4.071	m	М	-3.072	-2.738	• 40	-2.078
00055	-5.085	-4.751	-4.418	-4.085	•	'n	-3.085	**	2.41	-2.089
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0	-5.109	-4.776	-4.442	-4.109	m	W.	-3.109		4	o.
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85000	-5.147	-4.814	-4.481	-4.148	'n	m	3.1	• •	N • 48	Ņ,
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ATOMIC SPECIES : FE 8

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-4.780 -4.447 -4.113 -3.782 -4.789 -4.456 -4.123 -3.789 -4.8798 -4.465 -4.123 -3.789 -4.814 -4.481 -4.140 -3.806 -4.822 -4.498 -4.155 -3.822 -4.842 -4.498 -4.155 -3.822 -4.842 -4.502 -4.169 -3.822 -4.842 -4.508 -4.167 -3.848 -4.842 -4.515 -4.181 -3.848 -4.846 -4.515 -4.181 -3.848 -4.854 -4.520 -4.187 -3.868 -4.854 -4.550 -4.187 -3.868 -4.892 -4.559 -4.255 -3.902 -4.912 -4.559 -4.255 -3.902 -4.938 -4.659 -4.280 -3.930 -4.938 -4.659 -4.287 -3.936 -4.946 -4.613 -4.287 -3.936 -4.954 -4.653 -4.287 -3.986	-3.449 -3.116	-2.44	-2-117
-4.789 -4.456 -4.123 -3.789 -4.798 -4.465 -4.131 -3.798 -4.814 -4.481 -4.147 -3.814 -4.822 -4.488 -4.155 -3.829 -4.842 -4.508 -4.155 -3.829 -4.848 -4.515 -3.842 -4.848 -4.515 -3.848 -4.854 -4.520 -4.181 -3.848 -4.854 -4.520 -4.181 -3.868 -4.854 -4.550 -4.181 -3.868 -4.854 -4.550 -4.187 -3.854 -4.857 -4.25 -3.902 -4.912 -4.558 -4.255 -3.902 -4.946 -4.559 -4.256 -3.930 -4.938 -4.659 -4.256 -3.930 -4.946 -4.653 -4.287 -3.936 -4.954 -4.653 -4.287 -3.936 -4.954 -4.653 -4.287 -3.936 -4.956 -4.653 -4.287 -3.936	-3.454 -3.121	-2.45	-2.122
-4.798 -4.465 -4.131 -3.798 -4.806 -4.4814 -4.481 -4.481 -4.147 -3.814 -4.822 -4.825 -4.162 -3.822 -4.832 -4.162 -3.822 -4.848 -4.155 -3.822 -4.848 -4.155 -3.822 -4.848 -4.519 -3.848 -4.854 -4.519 -3.886 -4.854 -4.526 -3.892 -4.867 -4.858 -4.255 -3.892 -4.916 -3.868 -4.526 -3.902 -4.916 -3.868 -4.526 -3.902 -4.912 -4.912 -4.589 -4.256 -3.939 -4.938 -4.564 -3.939 -3.936 -4.938 -4.653 -3.939 -3.936 -4.938 -4.653 -3.939 -3.938 -4.653 -3.938 -4.287 -3.938 -4.938 -4.653 -3.939 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -4.653 -4.287 -3.938 -4.938 -	-3.461 -3.130	-2.46	-2.130
-4.806 -4.473 -4.140 -3.806 -4.814 -4.481 -4.147 -3.814 -4.822 -4.488 -4.155 -3.822 -4.835 -4.502 -4.169 -3.822 -4.842 -4.502 -4.169 -3.842 -4.848 -4.515 -4.181 -3.842 -4.854 -4.520 -4.187 -3.854 -4.867 -4.520 -4.187 -3.854 -4.867 -4.559 -4.201 -3.868 -4.867 -4.559 -4.201 -3.868 -4.912 -4.559 -4.225 -3.902 -4.912 -4.559 -4.246 -3.912 -4.930 -4.559 -4.264 -3.939 -4.938 -4.605 -4.287 -3.939 -4.946 -4.653 -4.287 -3.939 -4.954 -4.653 -4.287 -3.939 -4.956 -4.653 -4.287 -3.939	-3.455 -3.138	-2.47	-2.139
-4.814 -4.481 -4.147 -3.814 -4.822 -4.488 -4.155 -3.822 -4.829 -4.495 -4.162 -3.829 -4.842 -4.502 -4.162 -3.835 -4.848 -4.502 -4.187 -3.842 -4.848 -4.520 -4.187 -3.842 -4.854 -4.520 -4.187 -3.854 -4.867 -4.547 -4.213 -3.868 -4.892 -4.558 -4.225 -3.892 -4.912 -4.559 -4.225 -3.902 -4.912 -4.559 -4.256 -3.912 -4.930 -4.579 -4.264 -3.939 -4.936 -4.653 -4.280 -3.936 -4.946 -4.653 -4.287 -3.936 -4.954 -4.653 -4.287 -3.936	-3.473 -3.145		-2.147
-4.822 -4.488 -4.155 -3.822 -4.829 -4.502 -4.162 -3.829 -4.502 -4.162 -3.829 -4.502 -4.162 -3.829 -4.502 -4.162 -3.835 -3.835 -4.503 -4.161 -3.842 -4.503 -4.187 -3.848 -4.503 -4.187 -3.848 -4.501 -3.868 -4.559 -4.559 -3.892 -4.559 -4.559 -3.902 -4.559 -4.559 -3.902 -4.521 -3.8391 -3.891 -4.930 -4.559 -4.255 -3.939 -4.593 -4.593 -4.297 -3.939 -3.9986 -4.598 -4.593 -3.9986 -4.598 -4.598 -4.297 -3.9986 -4.598 -4.298 -3.9986 -4.598 -4.298 -3.9986 -4.598 -4.299 -3.9986 -4.598 -4.299 -3.9986 -4.598 -4.299 -3.9986 -4.598 -4.299 -3.9986 -4.598 -4.299 -3.9986 -4.598 -4.299 -3.9986 -4.298 -4.2	-3.481 -3.148		-2,155
-4.829 -4.495 -4.162 -3.829 -4.842 -4.502 -4.169 -3.835 -4.848 -4.515 -4.181 -3.842 -4.864 -4.515 -4.181 -3.848 -4.867 -4.534 -4.201 -3.868 -4.867 -4.534 -4.213 -3.868 -4.962 -4.559 -4.225 -3.892 -4.912 -4.559 -4.225 -3.9912 -4.930 -4.559 -4.255 -3.939 -4.930 -4.653 -4.264 -3.939 -4.946 -4.613 -4.280 -3.936 -4.954 -4.653 -4.280 -3.936 -4.954 -4.653 -4.280 -3.996	-3.488 -3.155		-2,162
-4.835 -4.502 -4.169 -3.835 -4.842 -4.508 -4.175 -3.842 -4.848 -4.520 -4.187 -3.835 -4.867 -4.534 -4.201 -3.868 -4.867 -4.534 -4.225 -3.892 -4.902 -4.559 -4.225 -3.902 -4.912 -4.579 -4.246 -3.912 -4.930 -4.557 -4.264 -3.939 -4.936 -4.605 -4.287 -3.939 -4.946 -4.613 -4.287 -3.936 -4.946 -4.653 -4.287 -3.936 -4.946 -4.653 -4.287 -3.936 -4.954 -4.653 -4.287 -3.936	-3.495 -3.162		-2.169
-4.842 -4.508 -4.175 -3.842 -4.848 -4.515 -4.181 -3.848 -4.854 -4.520 -4.187 -3.854 -4.867 -4.534 -4.201 -3.868 -4.892 -4.558 -4.225 -3.992 -4.912 -4.579 -4.246 -3.912 -4.930 -4.597 -4.264 -3.930 -4.936 -4.605 -4.272 -3.939 -4.946 -4.613 -4.280 -3.946 -4.954 -4.653 -4.287 -3.936 -4.954 -4.653 -4.287 -3.936	-3.502 -3.169	36 -2.508	-2.176
-4.515 -4.181 -3.848 -4.520 -4.187 -3.854 -4.534 -4.201 -3.868 -4.554 -4.213 -3.880 -4.559 -4.225 -3.892 -4.579 -4.246 -3.902 -4.579 -4.256 -3.912 -4.588 -4.255 -3.922 -4.597 -4.264 -3.939 -4.605 -4.287 -3.939 -4.653 -4.287 -3.936 -4.653 -4.287 -3.9986	•842 -3.508 -3.175 -2.842		-2,182
-4.520 -4.187 -3.854 -4.534 -4.201 -3.868 -4.554 -4.213 -3.868 -4.559 -4.225 -3.892 -4.569 -4.225 -3.902 -4.569 -4.255 -3.912 -4.597 -4.264 -3.930 -4.605 -4.272 -3.939 -4.613 -4.287 -3.936 -4.653 -4.287 -3.936	-3.515 -3.181		-2,188
-4.534 -4.201 -3.868 -4.554 -4.213 -3.880 -4.558 -4.225 -3.902 -4.569 -4.246 -3.912 -4.588 -4.255 -3.912 -4.597 -4.254 -3.939 -4.605 -4.272 -3.939 -4.613 -4.280 -3.946 -4.653 -4.287 -3.954	-3.521 -3.187	4	-2.194
-4.547 -4.213 -3.880 -4.558 -4.225 -3.892 -4.569 -4.246 -3.902 -4.597 -4.246 -3.912 -4.597 -4.264 -3.922 -4.605 -4.254 -3.939 -4.613 -4.280 -3.946 -4.653 -4.287 -3.954	-3.534 -3.201		-2.205
-4.558 -4.225 -3.892 -4.569 -4.236 -3.902 -4.588 -4.255 -3.922 -4.597 -4.264 -3.930 -4.605 -4.272 -3.939 -4.613 -4.287 -3.936 -4.653 -4.287 -3.954	-3.547 -3.214		-2.214
-4.569 -4.236 -3.9024.579 -4.246 -3.9124.588 -4.255 -3.9224.605 -4.264 -3.9394.613 -4.280 -3.946 + -4.653 -4.287 -3.9564.653 -4.287 -3.956 -	-3.558 -3.225		-2,225
-4.579 -4.246 -3.912 -4.588 -4.255 -3.922 -4.597 -4.264 -3.930 -4.605 -4.272 -3.939 -4.613 -4.280 -3.946 -4.620 -4.287 -3.954 -4.653 -4.319 -3.986	-3.569 -3.236	3 -2.569	-2.236
-4.588 -4.255 -3.922 -4.567 -4.264 -3.930 -4.605 -4.272 -3.939 -4.613 -4.280 -3.946 -4.653 -4.287 -3.954 -4.653 -4.287 -3.956 -4.287 -4	-3.579 -3.246		-2.246
-4.597 -4.264 -3.9304.605 -4.272 -3.9394.613 -4.280 -3.9464.620 -4.287 -3.9544.653 -4.319 -3.9864.653 -4.319 -3.986	-3,588 -3,255	Q	-2.255
-4.605 -4.272 -3.939 - -4.613 -4.280 -3.946 - -4.620 -4.287 -3.954 - -4.653 -4.319 -3.986 -	-3.597 -3.264	1	-2.264
-4.613 -4.280 -3.946 -4.620 -4.287 -3.954 -4.653 -4.319 -3.986	-3.605 -3.272		-2.273
-4.620 -4.287 -3.954 - -4.653 -4.319 -3.986 -	-3.613 -3.280 -		-2.280
-4.653 -4.319 -3.986	-3.620 -3.287 -	-2.62	-2.288
6.019 14 640 14 14 14 14 14 14 14 14 14 14 14 14 14	-3.653 -3.319 -		-2.320
" 210°4" 040°4" 6'0°4" 310°1	-012 -	2 -2.679	-2.346

LOG WH THE DEPRESSION OF TXE CONTINION

ATOMIC SPECIES : F	FE 9									
T DEG KZLOG PE	-2.000	1.000	300	000	000	000 m	000•	0000	000 9	000
25000	-5.189	-4.856	-4.525	-4.196	-3.863	-3 530	-3.197	-2.863	-2.531	-2.206
26000	-5.195	-4.862	-4.528	-4.201	-3.869	-3 536	-3.202	-2.869	-2.536	-2.203
27000	-5.200	-4.867	-4.534	-4.204	-3.874	-3 541	-3.208	-2.874	-2.541	-2.209
28000	-5,206	-4.872	-4.539	-4.206	-3.879	-3 546	-3,213	-2.880	-2.546	-2.215
29000	-5.211	-4.877	-4.544	-4.211	-3,883	-3 551	-3.218	-2,885	-2.551	-2.220
30000	-5.216	-4.882	-4.549	-4.216	-3,884	-3 556	-3.223	-2.890	-2.556	-2.224
32000	-5,225	-4.892	-4.558	-4.225	-3.892	-3 564	-3.232	-2,899	-2.566	-2,232
34000	-5.234	-4.900	-4.567	-4.234	-3.900	-3 567	-3.240	-2.908	-2.574	-2.241
36000	-5.242	-4.909	-4.575	-4.242	-3.909	-3 575	-3.247	-2,916	-2.583	-2.249
38000	-5.250	-4.916	-4.583	-4.250	-3.917	-3 583	-3.250	-2,923	-2.590	-2.257
40000	-5.257	-4.924	-4.591	-4.257	-3.924	-3 591	-3.257	-2.929	-2.598	-2.265
42000	-5.264	-4.931	-4.558	-4.264	-3.931	-3 598	-3.264	-2,933	-2.605	-2,272
44000	-5.271	-4.938	-4.604	-4.271	-3.938	-3 604	-3.271	-2.938	-2.611	-2,278
46000	-5.277	-4.944	-4.611	-4.277	-3.944	-3 611	-3.278	-2.944	-2.616	-2,285
48000	-5.283	-4.950	-4.617	-4.284	-3.950	-3 617	-3.284	-2.950	-2.620	-2,291
50000	-5.289	-4.956	-4.623	-4.289	-3.956	-3 623	-3.290	-2.956	-2.623	-2,296
50000	5.303	-4.970	-4.636	-4.303	-3.970	-3 637	-3 · 303	-2.970	-2.637	-2,308
00009	-5.316	-4.582	-4.649	-4.316	-3.982	-3 649	-3.316	-2.983	-2.649	-2,316
65000	-5.327	14.994	-4.661	-4.327	-3.994	-3 661	-3.327	-2.994	-2.661	-2, 328
20000	-5,338	-5.004	-4.671	-4.338	-4.005	-3 671	-3.338	-3.005	-2.672	-2,338
75000•	-5.348	-5.014	-4.681	-4.348	-4.015	-3 681	-3.348	-3.015	-2.682	-2.348
80000	-5,357	-5.024	-4.690	-4.357	-4.024	-3 691	-3.357	-3.024	-2.691	-2,358
95000	-5.366	-5.033	669.4-	-4.366	-4.033	-3 699	-3.366	-3.033	-2.700	-2.366
•00006	-5.374	-5.041	-4.707	-4.374	-4.041	-3 708	-3.374	-3.041	-2.708	-2.375
95000	-5.382	-5.049	-4.715	-4.382	640.4-	-3 715	-3,382	-3.049	-2.716	-2,382
100000	-5.389	-5.056	-4.723	-4.389	-4.056	-3 723	-3,390	-3.056	-2.723	-2,390
125000	-5.422	-5.088	-4.755	-4.422	-4.088	-3 755	-3.422	-3.088	-2,755	-2.422
150000	15.448	-5.11.5	-4.781	-4.448	-4.115	-3 781	-3.448	-3,115	-2.782	-2.448
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7.000	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	7
000-9	22.6654 -22.66682 -22.6682 -22.6682 -22.702 -22.703	2
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-2.000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FE11 - 2 - 000 - 000
T DEG K/LGG PE	32000 34000 36000 40000 42000 44000 55000 55000 65000 75000 80000 85000 125000	T PAG K/LOG PA 1 PAG K/LOG PA 4 0000 4 4000 4 4000 4 4000 5 5000 5 5000 5 5000 6 5000 7 5000 8 7 5000 9 5 000 9 5 000 1 2 5 000 1 2 5 000 1

ATOMIC SPECIES : FE10

LOG OF THE DEPRESSION OF THE CONTINIUM

ATOMIC SWEGISS : FE12

7.000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.000 -2.6327 -2.6435 -2.6447 -2.658 -2.658 -2.658 -2.658 -2.702 -2.702	7.000 -2.720 -2.732 -2.732 -2.732 -2.750 -2.758 -2.758 -2.758
000*9	2 - 1 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 -	6.000 1.2.956 1.3.001 1.3.001 1.3.001 1.3.001 1.3.001 1.3.001 1.3.001 1.3.001	0 m u u u u u u u u u u u u u u u u u u
5.000	1	n www.www.www.ww. n www.ww.ww.ww.ww. o ww.ww.ww.ww.ww.ww. o wo.mw.ww.ww.ww. o wo.mw.ww.ww.ww. o wo.mw.ww.ww.ww. o wo.mw.ww.ww.ww. o wo.mw.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww.ww.ww.ww.ww.ww. o wo.mw.ww.ww.ww.ww.ww.ww.ww.ww.ww.ww.ww.ww.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
4.000	1	4 .000 -3.623 -3.6647 -3.6647 -3.6647 -3.6647 -3.6647 -3.701	4 .000 -3 .700 -3 .711 -3 .722 -3 .722 -3 .751 -3 .750 -3 .758 -3 .758 -3 .758
3.000	133.861 133.867 133.867 133.867 133.869 133.991 133.991 133.995 133.995 143.995 143.995	3.000 1.3.3.9.000 1.3.9.000 1.3.9.000 1.4.0000 1.4.000 1.4.000 1.4.000 1.4.000 1.4.000 1.4.000 1.4.0	3.000 444. 1.44.0033 1.44.0055 1.44.0063 1.44.0091 1.44.0091 1.44.0099
2.000	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 444444444444444444444444444444444444	2 000 4444 4443 1 4440 1 4440 1 4440 1 4440
1.000	- 4 4 5 2 7 4 4 5 5 2 7 4 4 6 5 2 7 4 6 7 3 3 3 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 1 6 7	1 000 4 623 - 4 623 - 4 647 - 4 657 - 4 685 - 4 685 - 4 685 - 4 685 - 4 701 - 4 709	1.000 -4.699 -4.711 -4.722 -4.741 -4.750 -4.758 -4.758 -4.758
0000-0-	- 4 4 861 - 4 4 867 - 4 4 886 - 4 4 899 - 4 6 991 - 4 6 949 - 5 65 - 5 65 - 5 65 - 6 6	-0.000 -4.4956 -4.9968 -4.9980 -5.001 -5.001 -5.019 -5.035 -5.035 -5.035	10000000000000000000000000000000000000
-1.000	1	1	1
-2.000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-5.622 -5.622 -5.635 -5.646 -5.667 -5.667 -5.693 -5.693 -5.693 -5.701 -5.701	-2.000 -2.000 -5.699 -5.711 -5.722 -5.741 -5.750 -5.750 -5.750 -5.750 -5.750 -5.750 -5.750 -5.750 -5.750 -5.750 -5.750 -5.750
wa K/Log	4 460 PC 550 CC 550 CC 6 CC 6 CC	T OEG 55000 65000 75000 75000 75000 85000 85000 85000 125000 150000 150000	ATOMLY SPECIES: F: T DEG

ATOMIC SPECIES : FE15

T 086 4/LOG PA	12.000	-1.000	000	0000	0 0 0 N	3 000	000 •	5_000	000 9	7.000
70000	-5.782	-5.448	-5.115	-4.782	-4.448	-4.115	-3_782	-3 449	-3.115	-2,782
7500D	-5.791	-5.458	-5.125	-4.792	-4.458	-4.125	-3 792	-3 458	-3.125	-2,792
80000	-5.801	-5.467	-5.134	-4.801	-4.468	-4.134	13 801	-3 468	-3,135	-2,801
85000	-5.809	-5.476	-5.143	-4.810	-4.476	-4.143	-3 810	-3.476	-3.143	-2.810
00006	-5.818	-5.484	-5.151	-4.818	-4.485	-4.151	13 818	-3 485	-3,151	-2,818
95000	-5.826	-5.492	-5.159	-4.826	-4.492	-4.159	-3 826	-3 492	-3.159	-2,826
100000	-5.833	-5.500	-5.166	-4.833	-4.500	-4.166	-3 833	-3 500	-3.167	-2,833
125000.	-5.865	-5.532	-5.199	-4.865	-4.532	-4.199	-3 865	-3 532	-3.199	-2,866
150000	-5.892	-5.558	-5.225	-4.892	-4.558	-4.225	268 E1	-3 558	-3.225	-2,892
	7									
•	0									
T DEG K/LOG PE	-2.000	-1 000	0.00.0-	1.000	2.000	3.000	4.000	5.000	00009	7.000
75000	-5.847	-5 514	-5.181	-4.848	-4.514	-4.181	-3.848	-3.515	-3.181	-2.848
80000	-5.857	-5 523	-5.190	-4.857	-4.524	-4.190	-3.857	-3.524	-3.191	-2.857
85000	-5.866	15 532	-5.199	-4.866	-4.532	-4.199	-3.866	-3.533	-3.199	-2.866
00006	-5.874	04G a-	-5.207	-4.874	-4.541	-4.207	-3.874	-3.541	-3.208	-2.874
95000	-5.882	-6 548	-5.215	-4.882	-4.548	-4.215	-3.882	-3.549	-3.215	-2.882
100000	-5.889	-5 556	-5.222	-4.889	-4.556	-4.223	-3.889	-3.556	-3.223	-2.890
125000	-5.921	588	-5.255	-4.921	-4.588	-4.255	-3,921	-3.588	-3.255	-2.922
150000	-5.948	-5 614	-5.281	-4.948	-4.614	-4.281	-3.948	-3.614	-3,281	-2.948
ATOMIC BUECIES : F	FE17									
T DSG <td>-2.000</td> <td>-1.000</td> <td>0000-0-</td> <td>1.000</td> <td>2.000</td> <td>3 000</td> <td>4.000</td> <td>5.000</td> <td>6.000</td> <td>7.000</td>	-2.000	-1.000	0000-0-	1.000	2.000	3 000	4.000	5.000	6.000	7.000
125000	-5.974	-5.641	-5.307	-4.974	-4.641	C 08 - 4-	-3.974	-3.641	-3.307	-2.974
150000	-6.000	5.667	-5.334	-5.000	-4.667	-4•3¤ *	000-4-	-3.667	-3.334	-3.001

DIOMIC SPECIES : CD	ı a									
T DEG K/LOG PE	-2 000	000	000	1.000	2.000	3.000	4 000	000 000	000 9	000
- 00 OE	1.3 - 0.01	-2.666	-2,308	* * * * * *	***	****	****	****	****	****
.0004	03	-2.712	Q	-2.021	-1.612	****	***	***	****	* **
5000	-3.055	-2.722	-2.404	-2.055	-1.719	-1.272	***	***	* * * * * *	* * * * *
.0009	-3.136	-2.791	-2.415	-2.081	-1.748	-1.409	***	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	***
7000	-3.104	-2.755		-2.104	-1.770	-1.436	-1.085	****	****	****
8000	-3.123	12.790	N	ν,	11.007	000	11.140		****	****
• 0006	13.140	708°Z-	N C	12.101	1 . 00 c	11.470			-0.595	***
00001	73.157	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.00 P	-2-169	11.8336	-1-503	-1.169	-1.106	0 · 0	***
11000.	9 4	040.01	u v	-2.182	-1.849	-1.515	-1.182	10	.59	-0.595
13000-	-3.193	-2.860	N	-2,195	-1.861	-1.527	-1 - 193	-1.106	59	-0.402
14000	-3.204	-2.871	N	-2.204	-1.872	-1.538	-1.204	-1.106	-0.595	-0.405
15000	-3,214	-2.881	-2.548	-2.214	-1.881	-1.548	-1.214	-1.106	0.59	-0.402
16000	-3,223	-2.890	-2.557	-2.224	-1.890	-1.559	-1.224	-1.10.6	0.59	-0.402
17000.	m	-2.899	-2.566	-2.232	-1.899	-1.556	-1.233	-1.106	10.59 S	10.402
18000	-3.240	-2.907	Ň	-2.241	-1.907	-1.574	-1.242	901-1-	0.000	10.40
19000•	-3.248	-2.915	OI.	2	-1.915	-1.582	847.	001.1	0.00	104
20000	-3.255	-2.922	-2.589	-2.256	-1.922	11.589	-1.250	100	10.101	104401
21000.	-3.261	12.929	OI 1	-2.263	-1.930	066.1-	11.203	907-11	5 11	104.0
22000.	3,26	-2+935	-2.603	-2.270	07.6.	500° I	012-11	11.108	40.70	10.400
23000	-3.269	8 F 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	12.609	12.270	11.940	-1.616	-1.282	-1.198	-0.754	-0.402
74000 • 0000	1300 -	240.01	-2.617	12.288	11.955	-1.621	-1.288	-1.198	-0.754	-0.402
• 00000	103.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12.600	-2,293	-1.960	-1.527	-1.294	-1.198	-0.754	-0.402
000000	3.000	12.050	-2.625	-2.296	-1.966	-1.633	-1.299	-1.198	-0.888	-0.402
28000	-3.297	-2.964	-2.631	-2.297	-1.970	-1.638	-1.304	-1.198	-0.888	-0.402
29000	-3.302	-2.969	-2.636	-2,302	-1.974	-1.643	-1.310	-1:198	-0.888	-0.402
30000	-3.307	-2.974	-2.640	-2.307	-1.976	-1.647	-1:314	-1.198	-0.888	-0.402
32000	-3,316	2.983	-2.650	-2.317	-1.983	-1.555	-1.324	-1.198	-1.004	-0.402
34000	Ωŧ	-2.992	-2.659	-2.325	-1.992	-1.559	-1.332	-1.198	-1.004	10.402
36000.	-3,333	-3.000	-2.667	-2.334	-2.000	-1.667	-1.338	-1.198	1.004	10.402
38000	-3,341	-3.008	-2.675	-2.341	-2.008	-1.675	-1.341	-1.198	11.004	204
40000	-3.349	-3.015	-2.682	-2.349	-2.015	1.682	745.	961.1	100011	10.402
42000	-3,356	-3.022	-2.689	-2.356	12.022	K60*I-	-1.500	0 0 0	400	-0.402
44000.	-3,362	-3.029	-2.090	-2.302	K 20 0 0 0	060*1-	000.			400
46000	- 3.369	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12.702	12.309	12.030	11.708	275	-1-198	4004	-0.402
• 00000	13, 29.0	240.6-	-2-714	-2.381	-2.048	-1.714	-1.381	-1.198	-1.004	-0.402
90000	400.40	1900-	-2.728	-2,395	-2.061	-1.728	-1,395	-1.062	-1.004	-0.402
90000	-3.407	420°E-	-2.740	-2.407	N	-1.741	-1.407	-1.074	-1.004	-0.595
65000	3.41	3.085	N	-2.419	-2.085	-1.752	-1.419	-1.086	-1.004	-0.595
20007	3.42	(r)	-2.763	-2.429	-2.096	-1.763	-1.430	-1.096	-1.004	-0.595
75000	4.0	(r)	-2.773	-2.439	-2.106	-1.773	-1.440	-1.106	00	-0.595
80000	444	11.)	-2,782	-2.449	-2.115	-1,782	-1.449	-1.116	00.	-0.595
85000.	45	-3.124	~	• 45	.ΟΙ.		-1.458	-1.124	00	62
• 00006	4.6	-3.132	-2.799	-2.466		67.	-1.466	-1.133	000	n u
9 2000	3.47	-3.140	-2.807	•	Ø i	-1.807	-1.474	-1.140	-1.004	-0.595 -0.595
100000.	-3.481	-3.147	-2.814	-2.481	-2.148	-1.814	-1.481	1.1.140	-1-100	'n

7.000

11.0004 11.0004 11.0004 11.1006 11.1006 11.1006

-1.106 -1.158 -1.177 -1.191 -1.194 -1.297 -1.337 7.000 *** -1,186 -1.210 -1.217 -1.224 -1.230 -1.236 -1.248 -1.258 -1.267 -1.278 -1.290 -1.318 -1,325 -1.403 *** -1.242 -1.262 -1.273 -1.428 -1.311 -1,331 -1,355 -1.373 -1.394 -1.412 -1.420 -1.371 -1.528 -1.571 -1.629 -1.672 -1.556 -1.599 6.000 **** **** -1.453 -1.512 -1.491 -1.502 -1.519 -1.543 -1.560 -1.565 -1.578 -1.621 -1.769 -1.501 -1.511 -1.585 -1.590 -1.594 -1.603 -1.612 -1.644 -1 +658 -1+665 -1.669 -1.683 -1.695 -1.707 -1.7.17 -1.727 -1.745 -1.754 -1.651 -1.737 -1.827 -1.761 -1.801 -1.803 -1.814 -1.825 -1.835 -1.921 -1.926 -1.931 -1.962 -1.969 -1.975 -2.028 -1.864 -1.885 -1.899 -1.945 -1.996 -2.051 -2.095 5.000 -1:793 -1.827 -1.844 -1.859 -1.877 -1.910 -1:915 -1.936 -1.979 -1.984 -1.990 -2.016 -2.040 -2.070 -2.079 -2.087 -1.661 -1.811 -2.082 -2.136 -2.148 -2.158 -2.195 -2.206 -2.212 -2.224 -2.231 -2.237 -2.248 -2.248 -2.254 -2.259 -2.269 -2.278 -2.286 -2,293 -2,296 -2,303 -2.310 -2.323 -2.329 -2.335 -2.362 -2.373 -2.384 -2.394 -2.420 -2.428 -2.435 -2.403 -2.467 -2.179 -2.218 4.000 **** -2.132 -2.150 -2,123 -2.186 -2.427 -2.450 -2.473 -2.476 -2.483 -2.492 -2.537 -2.537 -2.544 -2.551 -2.557 -2.564 -2.570 -2.587 -2.592 -2.597 -2.621 -2.629 -2.636 -2.643 -2.692 -2.736 -2.727 -2.727 -2.736 -2.576 -2.602 -2.653 -2.753 -2.761 -2.769 3.000 -2.511 -2,523 -2.827 -2.330 -2,387 -2.443 -2.457 -2,613 -2.669 -2.501 -2.731 -2.765 -2.787 -2.761 -2.776 -2.803 -2.814 -2.824 -2.846 -2.884 -2.891 -2.897 -2.903 -2.925 -2.925 -2.928 -2.930 -2.946 -2.954 -2.962 -2.990 -3.040 -3.050 -3.087 -2.654 -2.854 -2.915 -2.862 -2.983 -3.078 -3.160 -2.869 -2.877 -2.909 -2,970 -2.977 -3.002 -3.016 -3.028 -3.070 -3.102 -3:134 -3.100 -3.135 -3.105 -3.124 -3.136 -3.147 -3.160 -3.169 -3.178 -3.195 -3.230 -3.329 -3.373 1.000 -3,288 -3.310 -3.073 -3.111 -3,187 -3,203 -3.210 -3.217 -3.224 -3,242 -3,250 -3,251 -3.280 -3.296 -3,323 -3.349 -3.428 -3.435 -3.247 -3.257 -3.261 -3.271 -3,303 -3.317 -3,394 -3.403 -3.412 -3.420 -3,361 -3.467 -3.494 -3,301 -0.000 -3,423 -3.482 -3.557 -3.706 -3.753 -3.456 -3.469 -3.528 -3.801 -3.410 -3.445 -3.429 -3.443 -3.502 -3,511 -3.520 -3,536 -3.543 -3.550 -3.568 -3.571 -3.574 -3,580 -3.585 -3.590 -3.595 -3.613 -3.629 -3.636 -3.643 -3.650 -3.656 -3.668 -3.695 -3.736 -3.604 -3.663 -3.682 -3.745 -3.768 -3.621 -3.727 13.825 13.825 13.835 -3.861 -3.869 -3.877 -3.913 -3.913 -3.666 -3.745 -3.790 -3.844 -3.928 -3.937 -3.946 -3,883 -3.962 -4.028 -4.040 -3.983 -1.000 -3.746 -3.776 -3.896 -3.923 -3.761 -3.893 -3.990 966.5--4.060 -4.069 -4.078 -3.902 -3.954 -4.015 -4.050 -4.086 -4.094 -4.134 -4.160 -4.002 -4.102 -3.955 -3.990 -4.050 -4.195 -4.202 -4.210 -4.215 -4.125 -4.148 -4.158 -4.235 -4.246 -4.261 -4.271 -4.279 -4.303 -4.310 -4.317 -4.329 -4.335 -4.349 -4.361 -4.373 -4.467 -2.000 -4.168 -4.178 -4.186 -4.229 -4.256 -4.393 -4.403 -4.078 -4.109 -4.223 -4.288 -4.323 -4.412 -4.420 -4.428 460.4--4.061 m 3 ď. ATOMIC SPECIES : DSG K/LOG 85000 90000 95000 80000 75000 100000 125200 150000 ١,

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-1.831 -1.839 -1.848 -1.775 -1.781 -1.787 -1.822 -1.709 -1.754 -1.761 -1.769 7 800 -1.695 -1.739 -1.693 -1.731 -1.865 -1.872 -1.699 -1.815 -1.857 -1.693 -1.722 -2.006 -1.997 -1.993 -2.036 -2.041 -2.046 -1.924 -1.944 -1.955 -1.971 000 -1.989 -1.995 -2.364 -2.369 -2.374 -2.379 1 2 2 4 1 4 1 2 2 4 3 0 1 2 4 3 0 1 4 -2.504 -2.504 12.530 12.538 12.546 12.578 -2.271 -2.288 -2.309 -2.308 -2.444 -2.460 5<u>000</u> -2.448 -2.522 -2.484 -2.731 -2.740 -2.740 -2.750 -2.753 -2.758 -2.778 -2.778 -2.778 -2.817 -2.828 -2.838 -2.556 -2.575 -2.594 -2.615 -2.855 -2.864 000 -2.879 -2.894 -2.914 -2.922 -2.925 -2.925 -2.946 -2.956 - - 2 . 9972 - - 2 . 9980 - 2 . 9980 - 3 . 9984 - 3 . 9994 - 3 . 9994 - 3 . 9994 - 3 . 9994 - 3 . 9996 - 3 . 9 -3.041 -3.046 -3.056 -3.067 -3.075 -3.081 -3.088 -3.100 -3.212 000 -3.446 -3.459 -3.483 -3.504 -3.513 -3.522 -3.530 -3.538 2_000 000 1 1 3 779 1 3 805 - m 579 - m 549 - m 553 -3 580 -3 580 -3 593 -3 602 -3 827 -3 847 -3 855 -3 855 -3 864 -4.189 -4.197 -4.205 -3.901 -3.915 -3.925 -4.161 -4.171 -4.180 -3.867 -3.872 -3.887 -3.955 -3.972 -3.987 -3.994 -4.001 -4.007 -3,945 -4.021 0.080 -4.305 -4.188 -4.205 -4.220 -4.236 -4.247 -4.258 -4.349 -4.367 -4.372 -4.381 -4.398 -4.420 -4.433 -4.459 -4.504 -4.545 -4.578 -4.604 -4.288 -4.342 0000 -4.320 -4.362 -4.4.54 -4.522 -4.390 -4.413 -4.445 -4:483 -4.313 -4.334 -4.357 -4.327 ı -4.779 -4.792 -4.805 -4.879 -4.911 -4.937 -4.837 -4.521 -4.538 -4.555 -4.767 -2.000 -4.567 -4.591 -4.602 -4.612 -4.855 -41817 -4.827 ä ATOMIC SPECIES DEG KALOG

PTOMIC SPECIES : Cw 6

4.406	MSG K/LOG BS	18 000 1	-1.000	000	0 ti 0	2.000	0 0 0	0000	000	0000	7.000
-4,726 -4,496 -4,196 -4					. !	- 1	- 1		•	: (•
-4,750 -4,416 -4,0073 -3,739 -3,440 -3,070 -2,776 -2,476 -4,476 -4,416 -4,0073 -3,776 -3,440 -2,761 -2,476 -4,416 -4,007 -4,416 -4,007 -3,776 -3,442 -3,004 -2,761 -2,467 -2,776 -4,426 -4,120 -3,776 -3,442 -3,109 -2,771 -2,467 -2,467 -4,797 -4,463 -4,120 -3,779 -3,464 -3,115 -2,770 -2,457 -2,770 -4,463 -4,120 -3,779 -3,464 -3,115 -2,770 -2,467 -2,467 -4,120 -3,779 -3,464 -3,115 -2,799 -2,464	•	-4.726	٠,	-4.059	3.72	-3,392	3.08	•	v	,	¥
-4,750 -4,417 -4,083 -3,751 -3,427 -3,083 -2,766 -2,467 -4,770 -4,427 -4,094 -3,771 -3,437 -3,105 -2,776 -2,456 -4,170 -4,427 -4,094 -3,771 -3,437 -3,105 -2,771 -2,456 -4,170 -4,437 -3,105 -2,771 -2,456 -4,170 -4,437 -3,105 -2,771 -2,456 -4,170 -4,437 -4,130 -3,437 -3,105 -2,771 -2,456 -4,170 -4,437 -3,130 -2,170 -2,456 -4,130 -3,437 -3,115 -2,771 -2,456 -4,170 -4,810 -4		-4.738	•	-4.073	-3.739	LD)	-3.072	-2.778	CI.		-1.614
-4,770		-4.750	-4.416	-4.083	-3,751	m	-3.083	-2.766	w		-1.760
-4,770		-4.760	-4.427	-4.094	-3.761	3.4	-3.094	-2.761	S.	2.15	-1.779
-4.780 -4.446 -4.113 -13.789 -3.447 -3.115 -2.780 -2.465 -4.478 -4.122 -3.789 -3.455 -3.112 -2.799 -2.465 -4.471 -4.138 -2.485 -3.4122 -2.799 -2.465 -4.481 -4.138 -2.4812 -3.449 -3.112 -2.799 -2.465 -4.4811 -4.138 -2.4812 -3.449 -3.112 -3.448 -4.152 -3.4489 -3.412 -3.4489 -3.112 -3.4489 -3.112 -3.4489 -3.112 -3.4489 -3.112 -3.4489 -3.112 -3.4489 -3.112 -3.4489 -3.112 -3.4489 -3.112 -3.4819 -3.112 -3.4819 -2.812 -3.4489 -3.112 -3.4819 -3.112 -3.4819 -2.812 -3.4489 -3.112 -4.481 -4.159 -4.159 -3.189 -3.112 -2.819 -2.812 -2.499 -3.112 -3.4819 -2.812 -3.4819 -2.812 -3.4819 -2.812 -3.4819 -3.112		-4.770	-4.437	-4.104	-3.771	n	-3.105	-2.771	-2.458		-1.793
		-4.780	-4.446	-4.113	-3.780	, LO	-3.115	-2.780	-2.457	2.16	-1.807
-4.797 -4.443 -4.130 -3.797 -3.464 -3.130 -2.799 -2.4664 -4.130 -4.797 -4.443 -4.130 -3.797 -3.446 -3.130 -2.471 -3.130 -2.497 -4.4492 -4.146 -3.819 -3.4493 -3.146 -3.469 -3.4499 -3.146 -3.4699 -3.4499 -3.146 -3.4699 -3.4699 -2.4697 -4.4699 -4.169 -3.4899 -3.160 -2.493 -2.4999 -4.4699 -4.169 -3.4899 -3.160 -2.4999 -2.4699 -2.4699 -2.4699 -4.169 -4.170 -3.839 -3.1499 -3.116 -2.4999 -2.469		-4.789	-4.455	-4.122	-3.789	3,45	-3.122	-2.790	-2.455	2.15	-1.822
-4.805 -4.471 -4.136 -3.805 -3.471 -3.138 -2.805 -2.472 -4.801 -4.805 -4.152 -3.812 -3.479 -3.145 -2.805 -2.491 -2.801 -4.801 -4.406 -4.152 -3.805 -3.479 -3.153 -2.805 -2.490 -4.801 -4.406 -4.152 -3.805 -3.409 -3.153 -2.805 -2.490 -3.153 -2.805 -2.490 -3.153 -2.805 -2.490 -3.153 -2.805 -2.490 -3.153 -2.805 -2.490 -3.153 -2.805 -2.805 -2.490 -3.153 -3.153 -2.805 -2.2490 -3.150 -3.150 -2.805 -2.2490 -3.150 -3.150 -3.150 -2.805 -2.2490 -3.150 -3.150 -2.805 -2.2490 -3.150 -3.150 -3.150 -2.805 -2.80		762.4-	-4.463	-4.130	-3.797	3,46	-3.130	-2.799	-2.464	-2.152	-1.837
-4,812 -4,449 -4,146 -3,812 -3,479 -3,145 -2,449 -4,817 -4,449 -4,449 -3,146 -3,159 -2,819 -2,849 -4,817 -4,449 -1,152 -3,832 -3,166 -2,893 -2,893 -2,893 -4,831 -4,496 -4,170 -3,832 -3,499 -3,166 -2,893 -2,499 -4,833 -4,170 -3,849 -3,172 -2,839 -2,869 -2,893 -2,869 -4,843 -4,170 -3,849 -3,517 -3,183 -2,860 -2,893 -2,869 -2,811 -4,864 -4,187 -4,187 -3,849 -3,517 -3,183 -2,866 -2,896 -2,896 -2,896 -2,866 -2,896 -2,866 -2,896	• 0	-4.805	-4.471	-4.138	-3,805	3	3.1	-2.805	-2.472	-2.151	-1.854
-4,817 -4,486 -4,152 -3,819 -3,486 -3,153 -2,819 -2,489 -4,825 -4,492 -4,165 -3,826 -3,493 -3,166 -2,892 -2,893 -4,831 -4,496 -4,176 -3,836 -3,493 -3,172 -2,839 -2,805 -4,831 -4,496 -4,176 -3,844 -3,517 -2,839 -2,806 -4,833 -4,506 -4,176 -3,844 -3,517 -2,839 -2,806 -4,848 -4,506 -4,176 -3,844 -3,517 -2,836 -2,849 -4,848 -4,506 -4,182 -3,517 -3,189 -2,866 -2,851 -4,864 -4,526 -4,182 -3,864 -3,522 -3,189 -2,866 -2,866 -4,863 -4,526 -4,187 -3,864 -3,522 -3,189 -2,866 -2,866 -4,863 -4,223 -3,864 -3,522 -3,189 -2,866 -2,867 -4,863 -4,223 <td>. 0</td> <td>-4.812</td> <td>4</td> <td>-4.145</td> <td>-3.812</td> <td>m</td> <td>-3.145</td> <td>-2.812</td> <td>-2.480</td> <td>-2.154</td> <td>-1.856</td>	. 0	-4.812	4	-4.145	-3.812	m	-3.145	-2.812	-2.480	-2.154	-1.856
-4,819 -4,492 -4,159 -3,826 -3,493 -3,1159 -2,825 -2,493 -4,821 -4,165 -3,832 -3,499 -3,1159 -2,832 -2,493 -4,831 -4,166 -4,173 -3,838 -3,517 -2,832 -2,805 -4,843 -4,166 -4,173 -3,844 -3,517 -2,846 -2,817 -4,848 -4,516 -4,187 -3,844 -3,517 -2,866 -2,851 -4,864 -4,516 -4,187 -3,844 -3,517 -2,866 -2,851 -4,864 -4,516 -4,187 -3,844 -3,517 -3,184 -2,861 -4,864 -4,526 -4,187 -3,864 -3,527 -3,194 -2,861 -2,857 -4,867 -4,187 -3,864 -3,527 -3,194 -2,861 -2,857 -4,869 -4,526 -4,187 -3,864 -3,527 -3,211 -2,864 -2,853 -4,891 -4,556 -4,223 -3,876<	• 0	-4.817	4	-4.152	-3.819	m	-3.153	-2.819	-2.487	-2,153	-1.852
-4.825 -44495 -4.165 -3.832 -3.499 -3.166 -2.832 -2.499 -3.166 -4.831 -4.831 -4.831 -4.831 -4.831 -4.838 -4.170 -3.849 -3.517 -3.189 -2.839 -2.505 -4.838 -4.506 -4.170 -3.849 -3.517 -3.189 -2.839 -2.505 -4.848 -4.506 -4.187 -3.849 -3.517 -3.189 -2.865 -2.851 -2.851 -4.864 -4.506 -4.187 -3.869 -3.522 -3.189 -2.865 -2.852 -3.869 -4.525 -4.863 -4.525 -4.187 -3.869 -3.531 -2.866 -2.833 -4.863 -4.525 -4.223 -3.869 -3.211 -2.888 -2.853 -2.854 -4.889 -4.525 -4.226 -3.869 -3.211 -2.889 -2.554 -4.890 -4.526 -4.223 -3.890 -3.211 -2.899 -2.895 -2.554 -4.890 -4.564 -4.526 -3.890 -3.211 -2.899 -2.554 -4.890 -4.526 -4.526 -3.890 -3.221 -2.895 -2.564 -4.890 -4.526 -4.526 -3.891 -3.226 -2.921 -2.895 -2.556 -4.890 -4.526 -4.529 -3.890 -3.224 -3.229 -2.895 -2.556 -4.891 -4.891 -4.592 -4.595 -4.526 -3.912 -3.596 -3.220 -2.920 -2.920 -2.501 -2.891 -2	0	-4.819	-4.492	-4.159	-3.826	(7)	-3.159	-2.825	-2.493	2.16	
-4.831 -4.498 -4.170 -3.838 -3.505 -3.172 -2.839 -2.505 -4.838 -4.504 -3.172 -2.839 -2.505 -4.838 -4.504 -4.173 -3.844 -3.511 -3.184 -2.511 -2.864 -4.504 -4.174 -3.884 -3.511 -3.184 -2.861 -2.511 -4.884 -4.504 -4.182 -3.885 -3.522 -3.189 -2.865 -2.851 -2.511 -4.884 -4.506 -4.187 -3.885 -3.522 -3.189 -2.865 -2.851 -2.851 -4.885 -4.505 -4.187 -3.885 -3.522 -3.189 -2.865 -2.851 -2.851 -4.887 -4.525 -4.197 -3.884 -3.527 -3.194 -2.865 -2.851 -2.851 -4.887 -4.881 -4.525 -4.197 -3.884 -3.527 -3.219 -2.881 -2.881 -2.537 -4.881 -4.881 -4.526 -4.225 -3.894 -3.527 -3.211 -2.886 -2.537 -4.890 -4.526 -4.225 -3.890 -3.557 -3.221 -2.898 -2.547 -4.890 -4.526 -4.525 -3.891 -3.221 -2.898 -2.537 -4.905 -4.525 -4.225 -3.891 -3.256 -3.224 -2.895 -2.851 -2.891 -2.591 -4.905 -4.525 -4.225 -3.912 -3.559 -3.224 -2.905 -2.906 -2.591 -4.901 -4.525 -4.225 -3.912 -3.559 -3.224 -2.905 -2.901 -2	• 0	-4.825	-4.495	-4.165	-3.832	· (T)	-3.166	-2.832	-2.499	-2.167	-1.850
-4.838 -4.504 -4.173 -3.844 -3.511 -3.178 -2.844 -2.517 -4.843 -4.509 -4.509 -4.176 -3.849 -3.511 -3.178 -2.850 -2.850 -2.517 -4.843 -4.509 -4.500 -4.187 -3.854 -3.527 -3.189 -2.865 -2.850 -2.517 -4.854 -4.520 -4.187 -3.854 -3.527 -3.194 -2.861 -2.528 -2.528 -4.520 -4.520 -4.193 -3.859 -3.527 -3.194 -2.861 -2.528 -2.528 -4.853 -4.539 -4.530 -3.199 -2.865 -2.851 -2.851 -4.881 -4.548 -4.215 -3.884 -3.530 -3.199 -2.866 -2.533 -2.888 -4.556 -4	0	-4.831	-4.498	-4.170	-3,838	m	-3.172	-2.839	-2.505	-2.174	-1.851
44.843 -4.506 -4.176 -3.849 -3.517 -3.189 -2.856 -2.5517 -4.848 -4.516 -4.182 -3.852 -3.527 -3.189 -2.856 -2.553 -4.854 -4.527 -3.944 -2.866 -2.553 -2.553 -4.864 -4.529 -3.530 -3.199 -2.866 -2.533 -4.863 -4.529 -4.197 -3.864 -3.532 -2.866 -2.533 -4.863 -4.539 -4.216 -3.520 -2.866 -2.533 -4.891 -4.548 -4.226 -3.872 -2.866 -2.537 -4.896 -4.556 -3.857 -3.223 -2.866 -2.557 -4.896 -4.557 -4.231 -3.896 -3.523 -2.899 -2.557 -4.896 -4.557 -4.231 -3.896 -3.523 -2.899 -2.557 -4.896 -4.557 -4.231 -3.896 -3.523 -2.899 -2.557 -4.896 -4.527	• 0	-4.838	-4.504	-4.173	-3.844	-3.511	-3.178	-2.844	-2.511	-2.179	-1.854
-4,848 -4,516 -4,182 -3,522 -3,189 -2,865 -2,522 -4,854 -4,520 -4,187 -3,527 -3,194 -2,861 -2,522 -4,863 -4,520 -4,197 -3,864 -3,527 -3,194 -2,861 -2,521 -4,863 -4,530 -4,216 -3,874 -2,804 -2,861 -2,861 -2,537 -4,881 -4,539 -4,216 -3,874 -2,804 -2,554 -2,537 -4,890 -4,564 -3,565 -3,233 -2,898 -2,555 -2,557 -4,890 -4,566 -4,233 -3,905 -3,540 -2,905 -2,591 -4,912 -4,566 -4,233 -3,905 -3,246 -2,905 -2,571 -4,912 -4,566 -4,257 -4,256 -3,912 -3,246 -2,916 -2,581 -4,912 -4,566 -4,256 -3,926 -3,259 -2,916 -2,581 -4,912 -4,566 -4,271 -3,926 <td>0</td> <td>-4.843</td> <td>-4.505</td> <td>-4.176</td> <td>-3.849</td> <td>-3.517</td> <td>-3.183</td> <td>-2.850</td> <td>-2.517</td> <td>-2.183</td> <td>-1.851</td>	0	-4.843	-4.505	-4.176	-3.849	-3.517	-3.183	-2.850	-2.517	-2.183	-1.851
-4.854 -4.520 -4.187 -3.854 -3.527 -3.194 -2.861 -2.528 -4.855 -4.193 -3.859 -3.530 -3.194 -2.861 -2.528 -2.533 -4.863 -4.525 -4.193 -3.859 -3.530 -3.199 -2.865 -2.533 -3.864 -3.532 -3.204 -2.866 -2.533 -4.8831 -4.539 -4.206 -3.882 -3.551 -3.211 -2.888 -2.557 -4.8891 -4.556 -4.225 -3.882 -3.551 -3.215 -2.888 -2.557 -2.54891 -2.864 -2.557 -4.890 -4.556 -4.223 -3.898 -3.557 -3.223 -2.898 -2.557 -2.557 -4.919 -4.556 -4.225 -3.902 -3.557 -3.223 -2.898 -2.557 -2.557 -4.919 -4.556 -4.255 -3.912 -3.557 -3.223 -2.898 -2.557 -2.571 -4.919 -4.556 -4.255 -3.912 -3.557 -3.224 -2.905 -2.557 -2.571 -4.925 -4.559 -4.255 -3.912 -3.556 -3.223 -2.905 -2.557 -2.557 -4.919 -4.558 -4.255 -3.912 -3.558 -3.256 -2.925 -2.921 -2.551 -2.581 -4.925 -4.259 -4.259 -3.925 -3.526 -2.921 -2.591 -2.551 -4.921 -4.559 -4.255 -4.399 -3.564 -3.526 -2.922 -2.921 -2.591 -2.591 -4.951 -4.517 -4.284 -3.995 -3.564 -3.329 -2.995 -2.995 -2.699 -2.69	0	-4.848	-4.516	-4.182	-3.852	-3,522	-3,189	-2.856	-2.522	-2.189	-1.857
-4.859 -4.525 -4.193 -3.859 -3.530 -3.199 -2.866 -2.533 -4.863 -4.525 -4.197 -3.864 -3.532 -3.204 -2.866 -2.537 -4.881 -4.548 -4.215 -3.884 -3.551 -3.211 -2.886 -2.555 -4.890 -4.556 -4.225 -3.591 -3.551 -3.221 -2.898 -2.555 -4.890 -4.556 -4.221 -3.892 -3.557 -3.223 -2.895 -2.555 -4.898 -2.555 -4.2905 -4.246 -3.905 -3.253 -2.896 -2.555 -4.2919 -4.245 -3.905 -3.256 -3.240 -2.896 -2.557 -2.591 -4.919 -4.585 -4.255 -3.919 -3.565 -3.226 -2.921 -2.591 -2.581 -4.919 -4.585 -4.259 -4.259 -3.925 -3.259 -2.921 -2.581 -2.591 -4.931 -4.617 -4.259 -4.259 -3.592 -3.259 -2.921 -2.591 -2.591 -4.991 -4.617 -4.247 -3.951 -3.698 -3.226 -2.921 -2.591 -2.591 -4.991 -4.617 -4.247 -3.951 -3.698 -3.226 -2.921 -2.921 -2.619 -4.991 -4.652 -4.297 -3.951 -3.618 -3.289 -2.996 -2.653 -2.653 -4.652 -4.652 -4.395 -3.652 -3.309 -2.996 -2.653 -2.653 -4.996 -4.652 -4.396 -3.956 -3.309 -2.996 -2.653 -2.653 -4.996 -4.652 -4.398 -3.956 -3.652 -3.309 -2.996 -2.653 -2.653 -2.602 -4.998 -4.652 -4.398 -3.968 -3.652 -3.309 -2.996 -2.653 -2.653 -2.602 -4.668 -4.356 -4.002 -3.668 -3.358 -3.005 -2.653 -2.653 -2.603 -4.668 -4.363 -4.002 -3.698 -3.369 -3.369 -3.309 -2.996 -2.653 -2.699 -2.996 -2.669 -2.699 -2.996 -4.369 -3.369 -3.369 -3.369 -2.699	0	-4.854	-4.520	-4.187	-3.854	-3.527	-3.194	-2.861	-2.528	-2.194	-1.862
-4.863 -4.530 -4.197 -3.864 -3.532 -3.204 -2.871 -2.837 -4.881 -4.539 -4.215 -3.874 -3.540 -3.211 -2.880 -2.557 -4.880 -4.548 -4.215 -3.890 -3.551 -2.889 -2.555 -4.890 -4.564 -4.231 -3.890 -3.557 -3.233 -2.895 -2.557 -4.905 -4.572 -4.238 -3.890 -3.565 -3.240 -2.896 -2.557 -4.912 -4.572 -4.239 -3.592 -3.240 -2.905 -2.551 -4.912 -4.572 -4.289 -3.912 -3.259 -2.906 -2.571 -4.912 -4.572 -4.262 -3.912 -3.259 -2.916 -2.551 -4.925 -4.562 -4.264 -3.927 -3.266 -2.926 -2.571 -4.937 -4.604 -4.271 -3.926 -3.259 -2.926 -2.936 -4.951 -4.604 -4.271 <td>0</td> <td>-4.859</td> <td>-4.525</td> <td>-4.193</td> <td>-3,859</td> <td>-3,530</td> <td>-3.199</td> <td>-2.866</td> <td>-2,533</td> <td>-2.199</td> <td>-1.868</td>	0	-4.859	-4.525	-4.193	-3,859	-3,530	-3.199	-2.866	-2,533	-2.199	-1.868
-4.873 -4.206 -3.874 -3.511 -2.880 -2.547 -4.881 -4.548 -4.215 -3.821 -2.880 -2.554 -4.880 -4.556 -4.223 -3.857 -3.223 -2.888 -2.554 -4.890 -4.564 -4.233 -3.898 -3.565 -3.233 -2.898 -2.554 -4.912 -4.564 -4.233 -3.898 -3.565 -3.233 -2.898 -2.557 -4.912 -4.564 -4.226 -3.905 -3.256 -3.240 -2.905 -2.571 -4.912 -4.585 -4.252 -3.912 -3.256 -3.256 -2.915 -2.551 -4.913 -4.586 -3.912 -3.559 -3.256 -2.926 -2.558 -4.926 -4.562 -3.912 -3.559 -2.926 -2.558 -4.927 -4.265 -3.931 -3.256 -2.926 -2.558 -4.926 -4.564 -3.931 -3.259 -2.926 -2.558 -4.93 -4.642 -4.297 -3.618 -3.259 -2.926 -2.	0	-4.863	-4.530	-4.197	-3.864	ריז	-3.204	-2.871	-2.537	-2.204	-1.872
-4.881 -4.548 -4.215 -3.882 -3.551 -3.215 -2.888 -2.555 -4.890 -4.556 -4.223 -3.898 -3.557 -3.223 -2.895 -2.554 -4.898 -4.554 -4.231 -3.898 -3.557 -3.236 -2.895 -2.571 -4.912 -4.572 -4.245 -3.912 -3.546 -2.905 -2.551 -4.912 -4.572 -4.259 -3.912 -3.546 -2.916 -2.551 -4.912 -4.572 -4.259 -3.925 -3.546 -2.916 -2.551 -4.912 -4.572 -4.259 -3.925 -3.596 -3.25 -2.921 -2.588 -4.925 -4.578 -4.271 -3.596 -3.259 -2.921 -2.588 -4.931 -4.517 -4.271 -3.597 -3.297 -2.921 -2.568 -4.9493 -4.617 -4.219 -3.542 -3.252 -2.921 -2.568 -4.951 -4.517 -4.274 <td>0</td> <td>-4.873</td> <td>-4.539</td> <td>-4.206</td> <td>-3.874</td> <td>-3.540</td> <td>-3.211</td> <td>-2.880</td> <td>-2.547</td> <td>-2.214</td> <td>-1.880</td>	0	-4.873	-4.539	-4.206	-3.874	-3.540	-3.211	-2.880	-2.547	-2.214	-1.880
-4,890 -4,556 -4,223 -3,557 -3,223 -2,895 -2,564 -4,898 -4,564 -4,231 -3,898 -3,565 -3,233 -2,898 -2,557 -4,905 -4,572 -4,245 -3,912 -3,246 -2,905 -2,577 -4,912 -4,245 -3,912 -3,246 -2,916 -2,577 -4,912 -4,252 -4,245 -3,912 -3,246 -2,916 -2,577 -4,913 -4,262 -4,262 -3,925 -3,559 -2,926 -2,586 -4,937 -4,642 -4,271 -3,592 -3,259 -2,926 -2,586 -4,951 -4,647 -4,284 -3,694 -3,264 -2,932 -2,602 -4,951 -4,642 -4,297 -3,694 -3,211 -2,938 -2,602 -4,963 -4,662 -4,394 -3,944 -3,294 -2,996 -2,966 -4,963 -4,662 -4,394 -3,964 -3,264 -3,294 -2,966 -4,966 -4,662 -4,398 -4,396 -3,662 -2	0	-4.881	-4.548	-4.215	-3,882	-3,551	-3.215	-2.888	-2,555	-2.222	-1.889
-4.898 -4.564 -4.231 -3.856 -3.556 -3.233 -2.898 -2.571 -4.905 -4.572 -4.238 -3.905 -3.572 -3.246 -2.905 -2.577 -4.912 -4.579 -4.259 -3.912 -3.586 -2.916 -2.916 -2.581 -4.912 -4.552 -3.925 -3.256 -2.926 -2.936 -2.581 -4.925 -4.259 -3.925 -3.256 -2.926 -2.936 -2.598 -4.937 -4.269 -3.931 -3.568 -3.256 -2.926 -2.598 -4.937 -4.269 -3.951 -3.564 -3.271 -2.938 -2.606 -4.963 -4.264 -3.951 -3.642 -3.294 -2.936 -2.698 -4.963 -4.277 -3.964 -3.239 -2.936 -2.653 -2.664 -4.963 -4.262 -4.396 -4.396 -4.369 -2.996 -2.694 -2.694 -4.963 -4.662 -4.319 <td>0</td> <td>-4.890</td> <td>-4.556</td> <td>-4.223</td> <td>-3.890</td> <td>-3.557</td> <td>-3.223</td> <td>-2.895</td> <td>-2.564</td> <td>2.23</td> <td>-1.897</td>	0	-4.890	-4.556	-4.223	-3.890	-3.557	-3.223	-2.895	-2.564	2.23	-1.897
-4.905 -4.238 -3.905 -3.240 -2.905 -2.577 -4.912 -4.245 -3.912 -3.246 -2.916 -2.581 -4.912 -4.245 -3.912 -3.579 -3.246 -2.916 -2.581 -4.919 -4.585 -4.259 -3.919 -3.586 -3.252 -2.916 -2.586 -4.925 -4.259 -3.925 -3.259 -2.921 -2.586 -2.596 -4.925 -4.259 -3.926 -3.259 -2.926 -2.598 -2.598 -4.951 -4.604 -4.284 -3.931 -3.269 -2.932 -2.598 -4.953 -4.642 -4.284 -3.951 -3.269 -2.932 -2.602 -4.953 -4.284 -3.954 -3.263 -2.932 -2.602 -4.965 -4.284 -3.964 -3.297 -2.932 -2.602 -4.966 -4.642 -4.396 -3.964 -3.263 -2.936 -2.664 -4.966 -4.662 -4.318 -3.642 -3.319 -2.986 -2.663 -4.96	•	-4.898	-4.564	-4.231	-3.898	-3,565	-3.233	-2.898	-2.571	2.23	-1.905
-4.912 -4.579 -4.245 -3.912 -3.579 -3.246 -2.916 -2.581 -2.581 -4.919 -4.585 -4.252 -3.919 -3.586 -3.252 -2.921 -2.586 -4.925 -4.592 -4.259 -3.925 -3.592 -3.259 -2.926 -2.598 -4.931 -4.568 -4.265 -3.931 -3.592 -3.265 -2.926 -2.598 -4.931 -4.951 -4.951 -2.84 -3.931 -3.269 -3.271 -2.932 -2.602 -2.602 -4.951 -4.951 -4.951 -3.994 -3.271 -3.994 -3.271 -2.938 -2.605 -2.606 -4.952 -4.642 -4.384 -3.630 -3.297 -2.964 -2.651 -2.661 -4.995 -4.652 -4.319 -3.995 -3.309 -2.996 -2.996 -2.653 -4.996 -4.652 -4.329 -3.996 -3.653 -3.319 -2.996 -2.995 -2.653 -4.996 -4.662 -4.329 -3.996 -3.662 -3.329 -2.996 -2.965 -2.653 -5.014 -4.689 -4.329 -3.996 -3.662 -3.338 -3.014 -2.981 -2.681 -5.014 -4.689 -4.325 -4.030 -3.347 -3.014 -3.331 -3.030 -2.959 -2.996 -2.689 -2.693 -2.030 -4.356 -4.030 -3.359 -3.369 -3.369 -2.736 -2.753 -2.069 -4.762 -4.030 -3.762 -3.363 -3.030 -2.736 -2.753 -2.009 -4.762 -4.030 -3.762 -3.429 -3.369 -2.753 -2.763	•	-4.905	-4.572	-4.238	-3,905	-3.572	-3.240	-2.905	Ň	2.24	-1.912
-4,919 -4,585 -4,252 -3,919 -3,586 -3,252 -2,921 -2,586 -4,925 -4,592 -3,592 -3,592 -3,259 -2,926 -2,598 -4,931 -4,614 -4,271 -3,931 -3,592 -3,256 -2,926 -2,598 -4,931 -4,617 -4,271 -3,931 -3,593 -2,932 -2,602 -4,937 -4,617 -4,284 -3,931 -3,244 -2,638 -2,606 -4,951 -4,617 -4,297 -3,941 -3,631 -2,938 -2,606 -4,963 -4,652 -4,346 -3,642 -3,339 -2,951 -2,653 -4,966 -4,652 -4,319 -3,662 -3,339 -2,996 -2,653 -4,996 -4,662 -4,329 -3,996 -3,662 -3,339 -2,996 -2,653 -5,014 -4,662 -4,338 -4,005 -3,662 -3,338 -3,005 -2,653 -5,014 -4,689 -4,347 -4,014 -3,680 -3,368 -3,369 -2,696 -5	•0	-4.912	-4.579	-4.245	-3.912	-3.579	-3.246	-2.916	ů.	-2.252	-1.919
-4.925 -4.529 -3.925 -3.592 -3.259 -2.926 -2.598 -4.931 -4.951 -4.558 -4.265 -3.931 -3.598 -3.265 -2.932 -2.602 -4.937 -4.604 -4.271 -3.937 -3.604 -3.271 -2.938 -2.606 -4.963 -4.617 -4.284 -3.951 -3.618 -3.284 -2.938 -2.606 -4.652 -4.627 -3.951 -3.618 -3.284 -2.951 -2.659 -2.606 -4.652 -4.627 -3.964 -3.630 -2.967 -2.964 -2.653 -4.975 -4.662 -4.652 -4.319 -3.986 -3.652 -3.329 -2.967 -2.967 -2.653 -4.096 -4.662 -4.329 -3.996 -3.662 -3.329 -2.996 -2.663 -2.653 -4.096 -4.662 -4.329 -3.996 -3.662 -3.329 -2.996 -2.663 -2.653 -2.005 -4.689 -4.329 -3.996 -3.662 -3.329 -2.996 -2.663 -2.653 -2.005 -4.689 -4.329 -3.996 -3.369 -3.357 -3.014 -2.681 -2.697 -2.003 -4.669 -4.355 -4.030 -3.369 -3.353 -3.030 -2.697 -2.003 -4.656 -4.659 -4.037 -3.752 -3.353 -3.099 -2.753 -2.753 -2.099 -2.753 -2.099 -2.753 -2.099 -2.753 -2.099 -2.753 -2.009 -2.753 -2.099 -2.753 -2.753 -2.753 -2.099 -2.753 -2.753 -2.099 -2.753 -2	•0	-4.919	-4.585	-4.252	-3.919	-3.586	-3.252	-2.921	-2.586	2.25	-1.926
-4.931 -4.558 -4.265 -3.931 -3.565 -2.932 -2.602 -4.937 -4.604 -4.271 -3.937 -3.604 -3.271 -2.938 -2.606 -4.951 -4.617 -4.284 -3.951 -3.618 -3.284 -2.951 -2.619 -4.961 -4.962 -4.384 -3.954 -3.694 -2.951 -2.619 -4.965 -4.662 -4.384 -3.964 -3.653 -3.399 -2.964 -2.653 -4.986 -4.662 -4.319 -3.986 -3.662 -3.319 -2.985 -2.653 -4.996 -4.662 -4.329 -3.996 -3.662 -3.329 -2.996 -2.663 -2.653 -5.014 -4.689 -4.05 -4.05 -3.662 -3.662 -3.329 -2.996 -2.663 -2.663 -2.653 -2.005 -4.689 -4.052 -3.689 -3.369 -3.369 -3.301 -2.691 -2.691 -2.691 -2.691 -2.693 -3.363 -3.363 -3.302 -2.697 -2.697 -2.003 -4.606 -4.365 -4.030 -3.609 -3.363 -3.030 -2.697 -2.703 -2.7	•0	-4.925	-4.592	-4.259	-3,925	-3.592	-3.259	-2.926	-2,598	2 . 26	٠
-4.937 -4.604 -4.271 -3.937 -3.604 -3.271 -2.938 -2.606 -4.951 -4.951 -4.284 -3.951 -3.618 -3.284 -2.951 -2.619 -4.963 -4.642 -4.284 -3.951 -3.618 -3.284 -2.951 -2.619 -4.963 -4.662 -4.362 -3.309 -2.995 -2.6531 -4.986 -4.662 -4.319 -3.986 -3.662 -3.329 -2.985 -2.653 -4.986 -4.662 -4.319 -3.986 -3.662 -3.329 -2.985 -2.653 -5.014 -4.680 -4.672 -4.319 -3.680 -3.672 -3.329 -2.996 -2.653 -5.014 -4.680 -4.347 -4.014 -3.680 -3.347 -3.014 -2.681 -5.014 -4.689 -4.355 -4.022 -3.689 -3.355 -3.022 -2.689 -2.689 -5.030 -4.656 -4.355 -4.037 -3.756 -3.355 -3.030 -2.697 -2.753 -5.069 -4.776 -4.403 -4.037 -3.776 -3.429 -3.096 -2.753 -5.763 -5.096 -2.763 -5.096 -2.763 -5.096 -2.763 -5.096 -2.763 -5.096 -2.763 -5.096 -2.763 -3.762 -3.429 -3.096 -2.763 -2.763 -3.762 -3.429 -3.096 -2.763 -2.763	0	-4.931	-4.558	-4.265	-3.931	£1.5	-3.265	-2.932	-2.602	-2.268	-1.938
-4.951 -4.617 -4.284 -3.951 -3.618 -3.284 -2.951 -2.6194.963 -4.630 -4.297 -3.964 -3.630 -3.297 -2.964 -2.6314.963 -4.642 -4.318 -3.975 -3.642 -3.319 -2.975 -2.6424.986 -4.652 -4.319 -3.986 -3.653 -3.319 -2.985 -2.6534.996 -4.662 -4.329 -3.996 -3.362 -3.329 -2.996 -2.6535.014 -4.689 -4.338 -4.014 -3.689 -3.359 -3.399 -2.995 -2.6725.02 -4.689 -4.355 -4.014 -3.689 -3.355 -3.014 -2.6815.030 -4.669 -4.355 -4.030 -3.696 -3.353 -3.030 -2.6975.030 -4.699 -4.350 -4.006 -3.704 -3.371 -3.037 -2.7045.096 -4.762 -4.096 -3.776 -3.776 -3.429 -3.096 -2.7365.096 -4.762 -4.096 -3.776 -3.776 -3.429 -3.096 -2.753 -	0	-4.937	-4.604	-4.271	-3.937	m.	-3.271	-2.938	-2.606	-2.271	46.
-4.963 -4.630 -4.297 -3.964 -3.630 -3.297 -2.964 -2.6314.975 -4.642 -4.308 -3.975 -3.642 -3.309 -2.975 -2.6424.986 -4.652 -4.319 -3.986 -3.653 -3.319 -2.986 -2.6534.986 -4.662 -4.329 -3.996 -3.662 -3.329 -2.996 -2.6535.005 -4.662 -4.005 -4.005 -3.662 -3.338 -3.005 -2.6635.002 -4.689 -4.014 -3.689 -3.347 -3.014 -2.6815.030 -4.689 -4.355 -4.030 -3.696 -3.355 -3.030 -2.6975.037 -4.764 -4.370 -4.039 -3.736 -3.403 -3.030 -2.7045.096 -4.762 -4.403 -4.096 -3.7762 -3.403 -3.096 -2.7365.096 -4.762 -4.403 -4.096 -3.7762 -3.429 -3.096 -2.753 -	o	-4.951	-4.617	-4.284	-3,951	-3.618	3,28	-2.951	-2.619	-2.289	-1.955
-4.975 -4.642 -4.308 -3.975 -3.642 -3.309 -2.975 -2.642 -4.986 -4.652 -4.319 -2.985 -2.653 -4.986 -4.652 -4.319 -2.986 -3.653 -3.319 -2.986 -2.653 -4.996 -4.662 -4.652 -4.329 -3.996 -3.652 -3.329 -2.996 -2.663 -5.014 -4.680 -4.347 -4.014 -3.680 -3.347 -3.014 -2.681 -2.681 -5.014 -4.689 -4.355 -4.022 -3.689 -3.355 -3.022 -2.681 -2.681 -5.030 -4.689 -4.353 -3.030 -2.697 -2.691 -2	o	-4.963	-4.630	-4.297	-3.964	-3.630	'n	-2.964	-2,631	2.29	-1.973
-4.986 -4.652 -4.319 -3.986 -3.653 -3.319 -2.985 -2.653 -4.996 -4.662 -4.329 -3.996 -3.662 -3.662 -3.329 -2.995 -2.663 -4.662 -4.662 -4.338 -4.005 -3.662 -3.338 -3.005 -2.663 -2.663 -2.663 -2.605 -4.689 -4.347 -4.014 -3.680 -3.347 -3.014 -2.681 -2.681 -2.689 -2.689 -3.355 -3.022 -2.689 -2.689 -3.355 -3.022 -2.689 -2	o.	-4.975	-4.642	-4.308	ņ	m	m	-2.975	-2.642	2.31	-1.981
-4.996 -4.662 -4.329 -3.996 -3.662 -3.329 -2.996 -2.663 -2	0	-4.986	-4.652	-4.319	ņ	M)		-2.985	-2,653	2.32	-1.989
-5.005 -4.672 -4.338 -4.005 -3.672 -3.338 -3.005 -2.6725.014 -4.680 -4.347 -4.014 -3.680 -3.347 -3.014 -2.6815.022 -4.689 -4.355 -4.022 -3.689 -3.355 -3.022 -2.6895.030 -4.656 -4.353 -4.037 -3.04 -3.351 -3.030 -2.6975.037 -4.774 -4.037 -4.037 -3.774 -3.371 -3.037 -2.7345.096 -4.736 -4.03 -4.096 -3.762 -3.429 -3.096 -2.753 -	• 0	966.4-	-4.662	-4.329	-3.996	m	•	-2.996	-2,663	2.33	-1.998
-5.014 -4.680 -4.347 -4.014 -3.680 -3.347 -3.014 -2.6815.022 -4.689 -4.355 -4.022 -3.689 -3.355 -3.022 -2.6895.030 -4.656 -4.363 -4.030 -3.596 -3.363 -3.030 -2.6975.037 -4.764 -4.370 -4.037 -3.704 -3.371 -3.037 -2.7045.096 -4.762 -4.403 -4.069 -3.756 -3.403 -3.069 -2.7365.096 -4.762 -4.429 -4.096 -3.762 -3.429 -3.096 -2.753 -	•	-5,005	-4.672	-4.338	-4.005	3	•	m	2.67	2.33	-2.006
0	0	-5.014	-4.680	-4.347	-4.014	-3.680	'n	m	2.68	2.34	-2.015
0	0	-5.022	-4.689	-4.355	-4.022	m	-3,355	m	C)	2.35	-2.023
0 -5.037 -4.764 -4.370 -4.037 -3.764 -3.371 -3.037 -2.704 -2 0 -5.069 -4.736 -4.403 -4.069 -3.736 -3.403 -3.069 -2.736 -2 0 -5.096 -4.762 -4.429 -4.096 -3.762 -3.429 -3.096 -2.763 -2	0	-5.030	-4.656	-4.363	-4.030	11	i,	m	CA.	5.36	-2.031
0 -5,069 -4,736 -4,403 -4,069 -3,736 -3,403 -3,069 -2,736 -2 0 -5,096 -4,762 -4,429 -4,096 -3,762 -3,429 -3,096 -2,763 -2	o	-5.037		-4.370	-4.037	-3.704	m	3	ţ.u	2.37	-2.038
0 -5:096 +4.762 +4.429 -4.096 -3.762 -3.429 -3.096 -2.763 -2	o	-5.069	-4.736	-4.403	-4.069	-3.736	•	-3.069	Q.	N	-2.070
	o	-5.096	-4.762	-4.429	-4.096	-3.762	. 42	-3.096	• 76	42	-2.096

ATOMIC SPECIES : CU 8

000	-2.106 -2.102	-2.100	-2, 100	-2,101	-2, 103	-2-101	-24107	112	-2, 117	-21122	-2, 130	-2∎139	-2#147	15.5	-2 • 162	-2° 169	-2, 176	182	-2-188	121194	12, 205	12,214	12, 225	-2 236	12#246	121255	12.264	-2.272	12,280	12, 288	12, 320	12.346
000	-2.404	-2.410	-2.417	-2.423	-2.429	-2.433	-2.439	-2.444	-2.449	-2.454	-2.463	-2.472	-2.480	-2.488	-2.495	-2.502	-2.508	-2.514	-2.518	-2.521	-2.534	-2.547	-2.559	-2.569	-2.579	-2.589	-2.597	-2.606	-2.613	-2,621	-2.653	-2.679
0 0 0	-2 730 -2 737	-2 742	-2=749	-2=755	-2"761	-2 767	-2 772	-2 777	-2 782	-2.787	-2=797	-2 805	-2 813	-2 821	-2 827	-2 831	-2 836	-2=842	-2.848	-2 854	-2 868	-2 880	-2 892	-2 903	-2=913	-2=922	-2 931	-2 939	-2 947			-3 012
000.	-3.062	-3.076	-3.082	-3.088	-3.094	-3.100	-3,105	-3,111	-3.116	-3,121	-3.130	-3,138	-3.145	-3.148	-3.155	-3.162	-3.169	-3.175	-3.181	-3.187	-3.201	-3.214	-3,225	-3.236	-3.246	-3.255	-3.264	-3.272	-3.280	-3.287	-3,319	-3,346
0 0 0 m	-3.395	-3.409	-3.416	-3.422	-3.428	-3.433	-3.439	-3.444	-3.449	-3.454	-3.461	-3,465	-3.473	-3.481	-3.488	-3.495	-3.502	-3.538	-3,515	-3.521	-3.534	-3.547	-3.558	-3.569	-3.579	-3.588	-3.597	-3.605	-3.613	-3.520	-3.653	-3.679
2.000	-3.729	-3.742	-3.749	-3.755	-3.761	-3.766	-3.772	-3,777	-3.780	-3.782	-3.789	-3.798	-3.806	-3.814	-3,822	-3.829	-3.835	-3.842	-3.848	-3.854	-3.868	-3.880	-3.892	-3.902	-3.912	-3.922	-3.930	-3.939	-3.946	-3.954	-3.986	-4.012
000	-4 062 -4 069	-4 076	-4=082	-4=088	-4-094	-4 099	-4 102	-4 103	-4_109	-4=113	-4=123	-4-131	-4 140	-4 147	-4 155	-4 162	-4.169	-4=175	-4-181	-4-187	-4 201	-4 213	-4 225	-4-236	-4=246	-4=255	-4-264	-4 272	-4 280	-4 287	-4 319	-4 346
0 e 0	-4.395	4.409	-4.415	-4.420	-4.423	-4.426	-4.431	-4.437	-4.445	-4.447	-4.456	-4.465	-4.473	-4.481	-4.488	-4.495	-4.502	-4.508	-4.515	-4.520	-4.534	-4.547	-4.558	-4.569	-4.579	-4.588	-4.597	-4.605	-4.613	-4.620	-4.653	-4.679
-1.000	-4 729 -4 735	-4-741	-4.745	-4 748	-4 754	-4 759	-4 765	-4 770	-4 775	-4 780	-4 789	-4 798	-4.306	-4.314	-4.822	-4.829	-4.835	-4.842	-4.848	-4.854	-4-867	-4.880	-4.892	-4.902	-4.912	-4.921	-4.930	-4.938	-4.946	-4.954	-4.986	-5.012
000 8	-5.062	-5,069	-5.075	-5.081	-5.087	-5.093	-5.098	-5.103	-5.108	-5.113	-5.123	-5.131	-5.140	-5.147	-5.155	-5.162	-5.169	-5.175	-5.181	-5.187	-5,201	-5.213	-5,225	-5.235	-5.245	-5.255	-5.263	-5.272	-5.280	-5.287	-5.319	-5.346
T Dep	20000	00000	23000	24000	25000	26000	27000	28000	29000	30000	32000	34000	36000	38000	40000	42000	44000	₽6000	48000	20000	55000	00009	65000	20000	15000	80000	85000	00006	00056	000001	125000	150000

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-2.215 -2,224 -2.598 -2.598 -2.598 -2.598 -2.531 -2.536 -2.541 -2.546 -2.551 -2.611 -2.620 -2.623 -2.637 -2.649 -2.661 -2.682 -2.682 -2.700 -2.708 -2.723 -2.755 -2.782 -2.556 000.9 -2.950 -2.956 -2.970 -3.005 -3.015 -3.024 -2.993 2.938 -2.944 5.000 -3.033 13 205 13 202 13 208 4 000 -3.530 -3.536 -3.541 -3.575 -3.591 -3.698 -3.617 -3.623 -3.637 -3.649 -3.546 -3.551 -3.556 -3.564 -3,611 -3.661 -3.671 -3.681 -3.715 3.000 -3.699 -3.691 -3.863 -3.869 -3.874 -3.944 -3.956 -3.956 -3.956 -3.982 -4.216 -4.225 -4.234 -4.250 -4.250 -4.257 -4.277 -4.284 -4.303 -4.316 -4.196 -4.201 -4.204 -4.206 -4.338 -4.348 -4.357 -4.374 -4.382 -4.327 -4.389 1.000 -4.271 -4.525 -4.528 -4.534 -4.539 -4.544 -4.549 -4.558 -4.567 -4.591 -4.598 -4.617 -4.623 -4.636 -4.649 -4.604 -4.681 000.0--4.583 -4.661 -4.699 -4.707 -4.671 -4.872 -4.877 -4.882 -4.892 14.944 14.950 14.956 14.970 -4.856 -4.924 -5.014 -5.056 -1.000 -4.867 -4.909 -4.916 -4.938 -4.994 -5.004 -5.033 -5.041 -5.049 -5.206 -5.211 -5.211 -5.216 -5.250 -5.257 -5.264 -5.277 -5.283 -9.289 -5.303 -5.338 -5.348 -5.357 -5.189 -5.234 -5.366 -5.374 -5.382 -5.271 -5,316 -5.327 -5.422 w a ATOMIC SPECIES DEG K/LOG 85000 90000 95000 100000 150000

ATOMIC SPECIES : CU10

000	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
0 0 0 0 9	-2.6557 -2.65689 -2.6689 -2.6689 -2.708 -2.708 -2.7411
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ATOMIC SPSCIES : C	cut1									
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3H000	-5.424	15031	-4.757	-4.424	-e 091	-3.758	-3.424	-3 097	-2.765	-2.432
0600	-5.431	860 a -	-4.765	-4.431	-4 098	-3.765	-3.432	-3 104	-2.772	-2.439
000014	-5.438	-5 H 05	-4.772	-4.439	-4 105	-3.772	-3.439	-3 108	-2.779	-2.446
00044	-5.445	-5 112	64.779	-4.445	-4 112	-3.779	-3.445	-B 112	-2.785	-2.453
000094	-5.452	-5 11è	-4.785	-4.452	4 118	-3.785	-3.452	-B 119	-2.790	-2.459
9000	-5.458	-5 124	162.4-	-4.458	-4 125	-3,791	-3,458	-B 1 25	-2.794	-2.465
50000	-5.464	15 13p	762.5-	-4.464	-4 130	-3.797	-3.464	-H 131	-2.797	-2.471
0000S	-5.477	15.140	14.811	-4.477	-4 144	-3.811	-3.478	-B 1 44	-2.811	-2.482
00000	-5.490	-5 157	14 .823	-4.490	-4 157	-3.823	-3.490	-3 157	-2.824	-2.490
0000	-5.501	-5 168	14 .835	-4.501	-4 168	-3.835	-3.502	-3 1 68	-2,835	-2.502
00002	-5.512	-7.179	14 6845	-4.512	-4 179	-3.846	-3.512	-B 179	-2.846	-2.513
00082	-5.522	-5 189	14.855	-4.522	-4 189	-3.856	-3.522	-H 189	-2.856	-2.523
00008	-5.531	8613-	14.865	-4.531	-4 198	-3.865	-3.532	-H 198	-2.865	-2.532
85000	-5.540	-5 207	L4 .873	-4.540	-4 207	-3.874	-3.540	-B 207	-2.874	-2.541
00000	-5.548	-5 215	14 .882	-4.548	-4 215		-3.549	-B 215	-2.882	-2,549
00050	-5.556	-5 223	068.41		-4 223		-3.556	-B 223	-2.890	-2,557
000001	-5-564	-5 230	768.4-		-4 230		-3.564	-B 2 30	-2.897	-2.564
	-5.596	-5 26 m	14.929		-4 263	1	-3.596	-B 263	-2.929	-2.596
10000	-5-622	-5 289	-4.956	522	-4 289	-3.95	-3.622	-B 2 89	-2.956	-2.622
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ATOMIC SPECIES : C	Cw12									
T DEG K/LDG P8	-2.000	-1 000	000.0-	1.000	2.000	3.000	4 • 000	0.000	00009	7.000
		s I								
46000	-5.527	-5_194	-4.861	-4.527	-4.194	-3 861	-3.527	76 I m 1	-2.866	-2,535
48000	-5.533	-5 200	-4.867	-4.533	-4.200	-3 867	-3.534	00 Z m	-2.870	-2.541
50000	-5.539	-5 206	-4.873	-4.539	-4.206	-3 873	-3.539	902 m	-2.873	-2,546
55000	-5.553	-5 220	-4.886	-4.553	-4.220	-3 886	-3.553	02 2 m 1	-2.887	-2,557
00009	-5.565	-5 232	-4,899	-4.566	-4.232	-3 899	-3.566	22 22 21 21	-2.899	-2.566
65000	-5.577	-6 244	-4.910	-4.577	-4.244	-3 911	-3.577	## 2 m 1	-2.91E	-2.577
20000	-5.588	-5 254	-4.921	-4.588	-4.254	-3 921	-3.588	500 H H 1	-2.921	-2.588
75000	-5.598	-5 264	-4,931	-4.598	-4.264	-3 931	-3.598	150 Sm	-2.931	-2,598
80000	-5.607	-5 274	-4.940	-4.607	-4.274	-3 940	-3.607	1 2 74	-2.941	-2.607
85000	-5.616	-5 282	-4.949	-4.616	-4.282	-3 949	-3.616	m.	-2.949	-2.616
00006	-5.624	-5 291	-4,957	-4.624	-4.291	-3 957	-3.624	m	-2.958	-2.624
00056	-5.632	298	-4,965	-4.632	-4.299	-3 965	-3.632	m	-2.965	-2.632
100000	-5.639	306	-4,973	-4.639	-4.306	-3 973	-3.639	m	-2.973	-2.640
125000	-5.671	-5 338	-5,005	-4.671	-4.338	-4 005	-3.672	m	-3.005	-2.672
150000	-5.698	-5 3×4	-5,031	-4.698	-4.365	-4 031	-3.698	95 E m 1	-3.031	-2.698
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7.000

-2.818 -2.826 -2.833 14941 14641 -2.758 -2.774 -2.806 -2.832 9894-1194-7024-1441 -2. 782 -2. 792 -2.866 8594-8994-7.000 7.000 -2.810 **7694** -2.732 -2.750 -2.741 -2.801 -3.107 -3.139 -3.165 -3.115 -3.125 -3.135 -3.143 -3.151 -3.159 -3.167 000 000.9 -3.225 0.0009 -3.199 -3.440 -3.472 -3.498 -3,378 -3.425 -3.458 -3.476 -3.485 -3.492 -3.532 -3.408 5.000 -3.399 5.000 5.000 -3.417 -3.758 -3.773 -3.805 -3.832 -3.623 -3.635 -3.647 -3.677 -3.685 -3.694 -3.701 -3.709 -3.741 -3.732 -3.782 -3.792 -3.801 -3.818 -3.865 -3.657 -3.810 4.000 -3.750 4.000 -3,722 4.000 -3,833 3,000 000 m -4.408 -4.343 -4.352 -4.360 -4.440 -4.302 -4.313 -4.324 -4.368 -4.408 -4.458 -4.485 -4.532 -4.532 -4.558 -4.398 -4.425 2.000 -4.378 -4.388 -4.416 -4.432 -4.476 2.000 -4.498 2.000 -4.732 -4.741 -4.750 -4.805 -4.832 -4.758 -4.782 -4.792 -4.801 -4.818 -4.826 -4.833 -4.865 -4.892 1 000 1.000 -4.810 -4.722 1.000 -5.044 -5.055 -5.055 -5.106 -5.139 -5.165 -5.115 -5.125 -5.134 -5.143 -4.956 -4.968 -4.980 -5.091 -5.151 -5.159 -5.166 -5.199 -5.019 -5.035 -5.074 000.0-000.0-0000 -5.083 -5.001 -5.010 -4.991 -5.302 -5.343 -5,324 -5.434 5.368 -1-000 -1-000 -1.000 -5.622 -5.635 -5.646 -5.676 -5.685 -5.693 -5.809 -5.818 -5.826 -5.701 -5.833 -5.865 -5.892 -2.000 -5.741 -2<u>000</u> -5.791 -2.000 -5.667 -5.657 CU14 0015 DEG K/LOG DE ä DEG K/LOG DS •• MIC SPSCES: ATOHIC SPECIES DEG </100 6 90 00 7 00 00 7 00 00 8 00 00 8 50 00 9 50 00 100000 125000 150000 C H 4

ATOMIC SPECES :

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BIOMIC SPECIES : CL	CU16									1
DEG K/LOG PE	-2000	000	0 0 0 0	000	000 8	0 0 m	4 000 •	000 s	000 9	000
80000	-5.857 -5.866	1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-5.190	14 857	-4.524 -4.532 -4.541	14 190 14 199 14 207	-3.857 -3.866 -3.874	m m m	191 191 191 199 199 199 199 199 199 199	-2.857 -2.866 -2.874
00000	-5.882	-6.548	-5.215	14 882	-4.548	-4 215	-3,882	6 9 2 m 1	512 81	-2,882
100000	-5.889	-5.556	-5.222	688 41	-4.556	14 223	-3-889	ທ (ເກັນ m	E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12.890
125000 150000	-5.921	15.588 15.614	5.235	14 948 14 948	-4.588 -4.614	14 291	-3.948 -3.948	0 \$7 0 10 0 10 0 1	2 8 8 8 8 8 1 1	-2.948
ATPMIC SPECIES : Cu	Cw 17									
DEG K/LOG PE	-2.000	000	0000	0 0 0 •	2.000	000 E	4 000 0	000 • In	0 0 9	0 0 0 IC
00006	15.926	-5.553	-5.260	-4 927	-4.593	4 260	-3.927	-3,593	-3.260	-2.927
92000	-5.934	-5.601	-5.268	-4 934	-4.601	14 253	-3.934	-3.601	-u 258	-2.935
100000	-5.9<2	-5.608	-5.275	-4 942	-4.608	14 275	13.042	909.5-	0 /2 m	7 1 6 6
125000	-5.974	-5.641	-5.334 -5.334	-4 974 -5 000	-4.667	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-3.974	-3.667	- m 334	-3.001 -3.001
DIGMIC SOECIES : C	∞ 3									
DEG KALOG PE	2=000	-1.000	000	0 a 0	2.000	0 0 0 m	000	5.000	0000	4. 000
100000	-5.991	-5.658	-5.325	14.991	-4.658	-4_325	3.992	■ • 653	-3° 325	-2, 992
125000.	-6.024	-5.690	-5.357	-5.024	-4.690	4.357	-4.024	-3.690	-3.357	13.024
150000	-6.050	-6,717	15,383	-5.050	-4.717	-4 383	-4.050	: : : :	5.50	-3,050
ATOMIC SP≤CIES : CL	CU19						,			
T DEG VLOG PE	-2.000	-1.000	0000-0-	0 0 4	2 • 0 0 0	000 E	4.000	5 200	9	000°
125000 •	-6.071	-5.737	-5.404	15.071	-4.737	-4.404 -4.430	-4.071 -4.097	-3.137 -3.164	m - m - m - 0044	-3.071